45 (31 vol.)

Chicago Botanic Garden
2002

82.

Cattleya

Epidendrium.

Epidendrium

No. 1 – 21.

Bot. Reg. XXXIII t. 42.

Cattleya bulbosa. Lindl.

Brasilien.

Epidendrum Walkerianum. Hook.f.

79

137½. Hartwegia. Lindl.

FIG. 73.—LÆLIO-CATTLEYA × HOPKINSII.

(*To face page* clxxvi.)

FIG. 74.—BRASSO-CATTLEYA × 'MRS. FRANCIS WELLESLEY.'

(*To face page* clxxviii.)

FIG. 101.—LAELIOCATTLEYA × 'DR. R. SCHIFFMAN,' WESTONBIRT VAR. (*Gardeners' Magazine.*)
(p. clx.)

(*To face page* clx.)

Fig. 76.—Cattleya intermedia 'White Queen.'

Other Exhibits.

Baron Sir H. Schröder, Bart. (gr. Mr. Ballantine), showed *Odontoglossum crispum Sanderianum*, for which he received a First-class Certificate May 12, 1885.

Francis Wellesley, Esq. (gr. Mr. Hopkins), sent the richly coloured *Cypripedium Lawrenceanum hackbridgense* and other Cypripediums.

Col. Brymer, Dorchester (gr. Mr. Powell), showed *Cœlogyne* × *Brymeriana* (*Dayana* × *asperata*).

Sir Frederick Wigan, Bart. (gr. Mr. W. H. Young), showed *Odontoglossum tripudians* 'Cecil Grey.'

Major G. L. Holford sent *Cattleya Mossiæ Reineckiana*, 'Westonbirt variety.'

J. Gurney Fowler, Esq., showed *Odontoglossum* × *ardentissimum* 'Dorothy Fox.'

H. L. Bischoffsheim, Esq. (gr. Mr. Ellis), and R. I. Measures, Esq. (gr. Mr. Smith), showed cut examples of *Lælia purpurata*.

Diploma Awards.

Miltonia Vexillaria.

First Diploma: To *Miltonia vexillaria* 'Memoria G. D. Owen,' from Sir Frederick Wigan, Bart.

Second Diploma: To *Miltonia vexillaria magnifica*, from Jeremiah Colman, Esq.

Epidendrum radicans (hybrids).

First Diploma: To *Epiphronitis* × *Veitchii*, from Jeremiah Colman, Esq.

Second Diploma: To *Epidendrum* × *Boundii*, from Jeremiah Colman, Esq.

Temple Show, May 29, 1906.

Mr. Harry J. Veitch in the Chair, and twenty-two members present.

Awards Recommended:—

Award of Merit.

To *Phaius* × 'Doris' (*Cooksoniæ* × *oakwoodiensis*) (votes, 11 for, 3 against), from Norman C. Cookson, Esq., Oakwood, Wylam (gr. Mr. Chapman). Flowers large and with a broad labellum, strongly indicating *P. Humblotii*, which was one of the parents of both the hybrids used in its production. Sepals and petals rose colour; lip reddish rose marked with claret colour and with a yellow crest.

To *Cattleya Mossiæ*, 'Jeremiah Colman' (votes, unanimous), from Jeremiah Colman, Esq., Gatton Park (gr. Mr. Bound). A fine variety with rose-pink sepals and petals and large labellum, displaying broad bands of white on each side, the middle being veined with purplish rose.

To *Masdevallia Harryana*, 'Gatton Park variety' (votes, unanimous), from Jeremiah Colman, Esq. Flowers large and of an intense reddish scarlet.

To *Odontoglossum* × *Fowlerianum* (*Rossii rubescens* × *cirrhosum*) (votes, unanimous), from Messrs. Sander. Segment narrow and re-

Fig. 70.—Odontoglossum × Fowlerianum. (*The Garden.*)

sembling *O. Rossii*; sepals white, densely spotted with chocolate-purple and tipped and margined with rose; blade of the lip long and narrow, rose-purple; base and callus yellow.

Award of Merit.

Dendrobium × *Wiganiæ illustre* (*signatum* × *nobile nobilius*) (votes, unanimous), from Sir Trevor Lawrence, Bart. (gr. Mr. W. H. White). A model flower, cream-white tinged with rose; disc of the lip orange with maroon blotch.

To *Dendrobium nobile* 'Perfection' (votes, unanimous), from Messrs. Cypher. Flower round and with broad petals, white tinged with magenta rose and having a dark purple blotch on the lip.

To *Odontoglossum Rossii immaculatum* (votes, unanimous), from De B. Crawshay, Esq. (gr. Mr. Stables). Almost an albino, the sepals having no dark markings; petals and lip white.

To *Dendrobium* × *Wiganianum*, 'Gatton Park variety' (*Hildebrandii* × *nobile*) (votes, unanimous), from Jeremiah Colman, Esq. (gr. Mr. Bound). Flowers large, cream-white flushed with rose; disc of the lip purple.

To *Cœlogyne* (*Pleione*) *yunnanensis* (votes, unanimous), from Messrs. Sutton & Sons, Reading. A dwarf Orchid from China, bearing pretty rosy-lilac flowers three inches in height.

To *Odontioda* × *heatonensis* (*O. cirrhosum* × *Cochlioda sanguinea*) (votes, unanimous), from Messrs. Charlesworth. A curious hybrid with small whitish flowers spotted with rose.

To *Brasso-Cattleya* × *Digbyano-Mendelii* var. *Fortuna* (*B. Digbyana* × *C. Mendelii*) (votes, unanimous), from J. Bradshaw, Esq., Southgate (gr. Mr. Whitelegge). Flowers white tinged with green.

Botanical Certificate.

To *Cynorchis compacta*, from Baron Sir H. Schröder, Bart. (gr. Mr. Ballantine). A dwarf African species with short dense spikes of white flowers.

Cultural Commendation.

To Mr. W. H. White, Orchid-grower to Sir Trevor Lawrence, Bart., for *Dendrobium Sybil* and *D. superbum Burkei*, both finely flowered.

To Mr. W. P. Bound, gr. to Jeremiah Colman, Esq., for *Masdevallia* × *Pourbaixii* with many flowers.

Diploma Awards:—

Dendrobium nobile (*varieties*).

First Diploma: To *Dendrobium nobile* 'Perfection,' from Messrs. Cypher, Cheltenham.

Second Diploma: To *Dendrobium nobile Dormanianum*, from Jeremiah Colman, Esq.

Dendrobium aureum and *D. nobile* hybrids.

First Diploma: To *Dendrobium* × *Wiganianum*, 'Gatton Park variety,' from Jeremiah Colman, Esq.

Second Diploma: To *Dendrobium* × *Ainsworthii intertextum*, from Baron Sir H. Schröder, Bart.

Other Exhibits.

Francis Wellesley, Esq. (gr. Mr. Hopkins), sent hybrid Lælio-Cattleyas and Cypripediums.

Second Diploma: To *Lælia anceps Hollidayana rosefieldiensis*, from De B. Crawshay, Esq.

Cypripedium villosum and Boxallii (*species*).

First Diploma: To *Cypripedium Boxallii nigricans*, from Francis Wellesley, Esq.

C. villosum and Boxallii (*hybrids*).

First Diploma: To *Cypripedium* × *aureum virginale* (*nitens Sallieri Hyeanum* × *Spicerianum*), from J. Gurney Fowler, Esq., and G. F. Moore, Esq.

Second Diploma: To *Cypripedium* × 'Mrs. Wm. Mostyn,' Chardwar variety, from J. Gurney Fowler, Esq., and G. F. Moore, Esq.

Other Exhibits.

Francis Wellesley, Esq. (gr. Mr. Hopkins), sent various hybrid Cypripediums.

J. Gurney Fowler, Esq. (gr. Mr. Davis), showed varieties of *Cypripedium* × *aureum*.

R. I. Measures, Esq. (gr. Mr. Smith), showed a collection of cut Orchids.

H. Druce, Esq. (gr. Mr. Walker), showed hybrids of *Cypripedium villosum* and *Boxallii*.

Messrs. Jas. Veitch & Sons sent six hybrids of *Sophronitis grandiflora*.

ORCHID COMMITTEE, MARCH 6, 1906.

MR. J. GURNEY FOWLER in the Chair, and twenty-seven members present.

Awards Recommended:—

Gold Medal.

To W. A. Bilney, Esq., Fir Grange, Weybridge (gr. Mr. Whitlock), for a fine group of Dendrobiums.

Silver-gilt Flora Medal.

To the Hon. Walter Rothschild, Tring Park (gr. Mr. Dye), for a group of the stately *Lissochilus Horsfallii* imported from West Africa. The species first flowered with Mr. Horsfall, of Bellamour Hall, Staffordshire, in 1864, whose plant was figured in the "Botanical Magazine," t. 5486. Since that time it has not flowered in Europe until the present specimens. Mr. Walter Rothschild, knowing the conditions under which the plant grew in W. Africa, caused it to be treated as a river-bank plant, the specimens being placed in tubs of water and occasional waterings of liquid manure given. The plants grew most vigorously, the flower-spikes attaining a height of five feet. The upper part of the spikes bore seventy to a hundred large flowers and buds.

To Messrs. Charlesworth for a fine group of hybrid Orchids.

Silver Flora Medal.

To Baron Sir H. Schröder, Bart., The Dell, Egham (gr. Mr. Ballantine), for a group of *Calanthe* × 'Baron Schröder' and *C. Regnieri*.

To Messrs. Cypher, Cheltenham, for a group of Dendrobiums, Cypripediums, &c.

Silver Banksian Medal.

To Messrs. Sander, St. Albans, for a group of Orchids.

To R. Briggs-Bury, Esq., Accrington (gr. Mr. Wilkinson), for a group of Cypripediums.

To Messrs. Stanley, Southgate, for a group of *Oncidium concolor*.

To M. Chas. Vuylsteke, Ghent, for hybrid Odontoglossums.

Bronze Banksian Medal.

To C. J. Lucas, Esq., for a group.

To Messrs. Hugh Low, for a group.

Fig. 69.—Sophro-Cattleya × warnhamensis 'Cerise.' (*Journal of Horticulture.*)

First-class Certificate.

To *Lissochilus Horsfallii* (votes, unanimous). A noble strong-growing species with lanceolate plicate leaves and stout spikes, each bearing seventy to a hundred flowers; sepals recurved, tinged and lined with purple; petals orbicular and extended forward, white, tinted with rose; side lobes of the lip erect, green, striped with purple, front lobe deep rose-purple; base and callus white. From the Hon. Walter Rothschild.

To *Sophro-Cattleya* × *warnhamensis* 'Cerise' (*C. amethystoglossa* × *S. grandiflora*) (votes, unanimous), from Sir W. Marriott, Blandford (gr. Mr. Denny). Inflorescence with four flowers of a bright reddish scarlet.

Award of Merit.

To *Catasetum* × *splendens punctatissimum* (votes, unanimous), from Sir Trevor Lawrence, Bart (gr. Mr. W. H. White). Lip fleshy, bright yellow; sepals and petals whitish, densely spotted with purple.

To *Cypripedium* × 'Bella,' Westfield variety (*vexillarium* × *philippinense*) (votes, unanimous), from Francis Wellesley, Esq., Westfield

Fig. 66.—Lælio-Cattleya × 'Helena,' Westfield variety.

(gr. Mr. Hopkins). Flowers gracefully produced, as in *C. philippinense*, but with the rose colouring of *C.* × *vexillarium*.

To *Lælio-Cattleya* × 'Helena,' Westfield variety (*L. cinnabarina* × *C. Schilleriana*) (votes, unanimous), from Francis Wellesley, Esq. Plant tall; flowers bright orange with purple-veined labellum.

To *Brasso-Cattleya* × *Pyrrha* (*B. glauca* × *C. labiata*) (votes, unanimous), from Messrs. James Veitch, Chelsea. Plant dwarf; flowers as large as *C. labiata*, rose-coloured, fragrant.

To *Cypripedium* × 'The Earl of Tankerville' (*exul* × *nitens*, Sander's variety) (votes, unanimous), from Messrs. Sander, St. Albans. Flowers of fine form and substance; dorsal sepal white with emerald-green base and broad lines of purple spots; petals and lip yellow marked with reddish-purple.

Botanical Certificate.

To *Brassavola glauca*, from H. S. Goodson, Esq., Putney (gr. Mr. Day). Flowers white, fragrant.

Cultural Commendation.

To Mr. Balmforth, gr. to F. Menteith Ogilvie, Esq., for a finely flowered specimen of *Lycaste* × *Balliæ*.

Diploma Awards:—

First Diploma (*hybrids*).

To *Calanthe* × *Harrisii*, from Norman C. Cookson, Esq. Flowers white.

Second Diploma (*hybrids*).

To *Calanthe* × *Veitchii*, from Jeremiah Colman, Esq. (gr. Mr. W. P. Bound). The fine old bright rose-pink variety.

First Diploma (*species*).

To *Calanthe vestita rubro-oculata gigantea*, from Norman C. Cookson, Esq. A strong grower with white flowers with crimson centres.

Other Exhibits.

Major G. L. Holford, C.I.E., C.V.O., Francis Wellesley, Esq., De B. Crawshay, Esq., and others showed varieties of *Lælia anceps*, but no diplomas were awarded.

J. Gurney Fowler, Esq. (gr. Mr. J. Davis), sent four varieties of *Cypripedium* × *aureum* and other Cypripediums.

Norman C. Cookson, Esq. (gr. Mr. Chapman), and Jeremiah Colman, Esq. (gr. Mr. Bound), staged fine groups of Calanthes.

H. S. Goodson, Esq. (gr. Mr. Day), showed four hybrid Orchids.

Messrs. William Bull, Chelsea, showed *Sophro-Cattleya* × 'Doris' and others.

ORCHID COMMITTEE, JANUARY 23, 1906.

Mr. J. GURNEY FOWLER in the Chair, and seventeen members present.

Awards Recommended:—

Silver-gilt Flora Medal.

To Baron Sir H. Schröder, Bart., The Dell, Egham (gr. Mr. Ballantine), or a fine group of Orchids.

To Messrs. Charlesworth, Bradford, for a display of *Lælio-Cattleya* × *Charlesworthii* and other hybrids.

To Messrs. Cypher, Cheltenham, for an extensive group of *Lælia anceps* (white varieties), Cypripediums, &c.

Glebelands, South Woodford. Flowers large, cream-colour, with dark, purple spots.

Fig. 88. Brasso-Lælia × 'Mrs. M. Gratrix.' 'Westfield variety.'

To *Cypripedium* × *Troilus*, 'Craven's variety' (*nitens* variety × *insigne* 'Harefield Hall') (votes, 12 for, 2 against), from J. H. Craven, Esq., J.P., Keighley (gr. Mr. Corney). A large flower of yellow colour, with blackish spotting on the dorsal sepal, which has a white tip.

To *Cypripedium* × *Actæus superbum* (*insigne Sanderæ* × *Leeanum*) (votes, unanimous), from Drewett O. Drewett, Esq., Riding-Mill-on-Tyne (gr. Mr. Renwick). Flowers greenish, with a large white dorsal sepal.

To *Cypripedium* × *Actæus* 'Bank House variety' (votes, 12 for, 2 against), from S. Briggs-Bury, Esq., Accrington (gr. Mr. Wilkinson). Petals and lip pale green; dorsal sepal white.

To *Odontioda* × *heatonensis* 'St. Vincent,' from Messrs. Charlesworth, Bradford (*O. cirrhosum* × *Cochlioda sanguinea*). Flowers small, white, spotted with carmine-rose.

Diploma Awards:—

Cypripedium Spicerianum (*hybrids*).

First Diploma: To *C. Niobe*, 'Oakwood variety,' from Francis Wellesley, Esq.

Second Diploma: To *C. Memnon* (*Spicerianum* × *Charlesworthii*), from S. Briggs-Bury, Esq., *Cypripedium insigne*.

First Diploma: To *C. insigne* 'Harefield Hall.'

Second Diploma: To *C. insigne Sanderæ*, both from Jeremiah Colman, Esq.

Cypripedium insigne (*hybrids*).

First Diploma: To *C. Thalia* 'Mrs. Francis Wellesley' (*insigne Chantinii* × 'Baron Schröder').

Second Diploma: To *C. Thalia giganteum*, both from Francis Wellesley, Esq.

Calanthe (*hybrids*).

First Diploma: To *C.* × 'Alpha.'

Second Diploma: To *C.* × *revertens*, both from Jeremiah Colman, Esq.

Other Exhibits.

J. Gurney Fowler, Esq., showed *Odontoglossum Wilckeanum* 'Fowler's variety.'

Francis Wellesley, Esq., sent a selection of fine hybrids.

The Earl of Tankerville sent *Cypripedium nitens*, 'Chillingham variety.'

Major G. L. Holford, C.I.E., C.V.O., showed *Lælio-Cattleya* × *rubens*, 'Pan variety.'

Messrs. Hugh Low staged a group.

R. G. Thwaites, Esq., sent *Sophro-Cattleya* × 'Doris.'

Messrs. Linden, Brussels, showed *Odontoglossum crispum* 'Madame Linden' and 'Jean Linden,' two finely blotched home-raised seedlings.

Botanical Certificate.

To *Polystachya grandiflora* from Sir Trevor Lawrence, Bart., Burford (gr. Mr. White). A singular species from tropical Africa, with the largest flowers of any of the genus; flowers borne in succession on erect spikes, each one inch and a half long, greenish-white tinged with purple, and with purple markings on the lip.

Fig. 82.—Lælio-Cattleya × 'Mrs. de Vere Beauclerk.'

Other Exhibits.

Francis Wellesley, Esq., again showed the beautiful *Brasso-Cattleya* × 'Mrs. Francis Wellesley' (**F.C.C.** April 17, 1906).

Jeremiah Colman, Esq., Gatton Park (gr. Mr. Bound), showed a pretty hybrid between *Cattleya bicolor* and *C.* × *Iris*.

ORCHID COMMITTEE, SEPTEMBER 25, 1906.

Mr. J. GURNEY FOWLER in the Chair, and seventeen members present.

Awards Recommended :—

Silver-gilt Flora Medal.

To Messrs. Charlesworth & Co., Heaton, Bradford, for a group of *Cattleya* × *Iris* and other Orchids.

Silver Flora Medal.

To Messrs. Sander & Sons, St. Albans, for a group of Lælio-Cattleyas, Cypripediums, &c.

Silver Banksian Medal.

To Messrs. Cypher & Sons, Cheltenham, for a group.

Award of Merit.

To *Lælio-Cattleya* × 'Berthe Fournier,' 'Holford's variety' (*L.-C.* × *elegans* × *C. Dowiana aurea*) (votes, unanimous), from Major G. L. Holford, C.I.E., C.V.O. (gr. Mr. Alexander). Flowers deep copper-rose colour with ruby-crimson lip, having gold lines at the base.

To *Cypripedium* × 'Victory' (*Euryale* × *triumphans*) (votes; 9 for, 4 against), from Messrs. Sander & Sons. Flower nearest to *C. triumphans*. Dorsal sepal white with a green base and marginal flush of rose colour, the middle area bearing heavy chocolate blotched lines, which change to rose colour on the upper part.

To *Cattleya* × *Hardyana* 'Rex' (*Warscewiczii* × *Dowiana aurea*) (votes, unanimous), from the Marquis de Wavrin, Somerghem, Belgium (gr. Mr. De Geest). A very fine dark variety, with intense ruby claret-coloured lip.

To *Cypripedium* × *Fletcherianum* (*Godefroyæ leucochilum* × 'W. R. Lee' var. 'Lord Derby') (votes, unanimous), from Messrs. Hugh Low. Flowers large, cream-yellow with heavy blotched lines of dark chocolate-purple colour; lip pale yellow.

To *Dendrobium* × 'Arthur Ashworth' (*Brymerianum* × *Dalhousieanum*) (votes, unanimous), from Elijah Ashworth, Esq., Harefield Hall, Wilmslow (gr. Mr. Holbrook). Flowers light yellow, with purple markings on the base of the fringed labellum.

To *Odontioda* × *Bohnhoffiæ* (*Cochlioda vulcanica* × *Odontoglossum cirrhosum*) (votes, unanimous), from Messrs. Charlesworth. Flowers with narrow segments, as in *O. cirrhosum*; bright red, with a slight purple tint at the base, and whitish markings towards the ends of the segments.

Botanical Certificate.

To *Trevoria Chloris*, from Elijah Ashworth, Esq. (gr. Mr. Holbrook). A new genus named in honour of Sir Trevor Lawrence, Bart. Flowers 2 inches at widest, in drooping racemes, greenish with white lip; fragrant.

To *Oncidium monachicum* (votes, unanimous), from Sir Frederick Wigan, Bart. (gr. Mr. W. H. Young). A large-flowered species of the *O. serratum* section, with brown flowers, the united edges of the fringed petals pale yellow.

Fig. 78.— attleya Mendelii 'Mrs. Frederick Knollys.'

To *Lælio-Cattleya* × 'Kathleen Grey' (*L.-C.* × *Canhamiana* × *L. tenebrosa*) (votes, unanimous), from Sir Frederick Wigan, Bart. Flowers of a rich reddish-rose with large purple labellum.

To *Thunia* × *Veitchiana*, 'Burford variety' (*Marshalliana* × *Bensoniæ*) (votes, unanimous), from Sir Trevor Lawrence, Bart. Flowers in drooping racemes, white, with crimson marking on the lip.

To *Odontoglossum crispum xanthotes Walkeræ*, from W. C. Walker, Esq., Winchmore Hill (gr. Mr. Bunney). A fine white form with a few orange-coloured blotches.

To *Phalænopsis violacea*, 'Heaton variety' (votes, unanimous), from Messrs. Charlesworth. A large form of typical *P. violacea*.

To *Lælio-Cattleya* × *Canhamiana* 'Meteor' (*L. purpurata* × *C. Mossiæ*) (votes, unanimous), from Messrs. Sander, St. Albans. Flowers large, purplish-crimson, with claret-coloured front to the lip.

Botanical Certificate.

To *Lüddemannia Pescatorei*, from Miss Willmott, Warley Place, Great Warley (gr. Mr. Gooch). A very extraordinary species of the growth of *Acineta* and with a pendulous inflorescence four feet in length, the lower third bearing singular yellow flowers with reddish-purple marking on the sepals.

To *Quekettia Jenmanii*, from Sir Trevor Lawrence, Bart. A dwarf, tufted plant, with numerous whitish flowers.

To *Epidendrum confusum*, from Sir Trevor Lawrence, Bart. Resembling a large *E. fragrans*. Flowers cream-white with purple lines on the lip.

Other Exhibits.

Francis Wellesley, Esq. (gr. Mr. Hopkins), showed *Cypripediums* and *Lælio-Cattleyas*.

Jeremiah Colman, Esq. (gr. Mr. Bound), sent several *Lælio-Cattleyas*.

Baron Sir H. Schröder, Bart., showed *Cymbidium insigne* (*Sanderi*), 'The Dell variety.'

J. Gurney Fowler, Esq., showed a large form of *Lælio-Cattleya* × *Canhamiana*.

Diploma Awards:—

Cypripedium Lawrenceanum.

First Diploma: To *C. Lawrenceanum hackbridgense*, from Francis Wellesley, Esq.

Second Diploma: To *C. Lawrenceanum* 'Marjorie,' from F. Menteith Ogilvie, Esq.

C. Lawrenceanum (*hybrids*).

First Diploma: To *C.* × *gigas Oxoniensis* (*Lawrenceanum* × *Harrisianum superbum*), from F. Menteith Ogilvie, Esq.

Second Diploma: To *C.* × *Maudiæ* (*callosum Sanderæ* × *Lawrenceanum Hyeanum*), from F. Menteith Ogilvie, Esq.

Cattleya Mossiæ.

First Diploma: To *C. Mossiæ Reineckiana* 'The Baron,' from Baron Sir H. Schröder, Bart.

Second Diploma: To *C. Mossiæ Wageneri* 'Stella,' from F. Menteith Ogilvie, Esq.

Fig. 62.—Lælio-Cattleya × Charlesworthii magnifica. **A.M.**

Fig. 63.—Lælia × Iona nigrescens, **A.M.**

Award of Merit.

To *Laeliocattleya* × 'Goldfinch,' Westonbirt variety (*L.-c.* × *warnhamiensis* × *C. Dowiana aurea*) (votes, unanimous), from Lieut.-Col. G. L. Holford, C.I.E., C.V.O. (gr. Mr. Alexander). A showy hybrid with the sepals and petals old-gold tinged with rose; lip deep ruby-red.

To *Epicattleya* × 'Nebo' (*E.* × *O'Brienianum* × *C.* × *Claesiana* (votes, unanimous), from Sir Trevor Lawrence, Bart., K.C.V.O. (gr. Mr. W. H. White). Growth of *E.* × *O'Brienianum* but shorter. Flowers reddish-rose with white-fringed lip.

FIG. 84.—PHAIOCALANTHE × SCHRÖDERIANA. (*Journal of Horticulture.*)

To *Odontoglossum* × *Cravenianum* (*cirrhosum* × *ramosissimum*) (votes, unanimous), from Messrs. Charlesworth. An elegant hybrid with pure white flowers spotted with purple, the segments being broader than *O. cirrhosum* and thicker in texture.

To *Cymbidium* × *Lowgrinum*, Rosslyn variety (*Lowianum* × *tigrinum*) (votes, unanimous), from H. T. Pitt, Esq., Rosslyn, Stamford Hill (gr. Mr. Thurgood). Differing from those previously shown in

having reddish-brown sepals and petals, and white lip with purple markings.

Other Exhibits.

Sir Trevor Lawrence, Bart., K.C.V.O.: hybrid Dendrobiums.
Sir Jeremiah Colman, Bart., V.M.H.: rare species.
J. Gurney Fowler, Esq.: hybrid Odontoglossums.
Lieut.-Col. G. L. Holford, C.I.E., C.V.O.: new hybrids.
R. G. Thwaites, Esq.: hybrids.
G. Hanbury, Esq.: *Cymbidium*.
Messrs. Heath: Cypripediums.
Francis Wellesley, Esq.: *Cattleya Trianaei*.
Mrs. Cookson: *Odontoglossum* × *percultum* 'Clive,' and hybrid Cypripediums.
G. P. Walker, Esq.: *Dendrobium hedyosmum*.
E. Rogerson, Esq.: *Odontoglossum* × 'Lily Wilkinson.'
Monsieur Mertens: Odontoglossums.

ORCHID COMMITTEE, MARCH 22, 1910.

Mr. J. GURNEY FOWLER in the Chair, and twenty-two members present.

Awards Recommended:—

Silver Flora Medal.

To Messrs. Sander, St. Albans, for a group.
To Messrs. Charlesworth, Haywards Heath, for Odontoglossums, &c.
To Messrs. Stuart Low, Bush Hill Park, for a group.
To Mr. E. V. Low, Haywards Heath, for Cattleyas and Dendrobiums.

Silver Banksian Medal.

To Messrs. McBean, Cooksbridge, for Odontoglossums.
To Mr. A. W. Jensen, Lindfield, for Cattleyas.
To Messrs. Cypher, Cheltenham, for a group.

First Class Certificate.

To *Cattleya* × 'Robert de Wavrin,' Westonbirt variety (*Schilleriana* × *Schröderae*) (votes, unanimous), from Lieut.-Col. G. L. Holford, C.I.E., C.V.O. (gr. Mr. H. G. Alexander). A large and finely-formed flower of a pure rose colour with purplish-rose front to the lip. (Fig. 85.)

Award of Merit.

To *Laeliocattleya* × *Trimyra* (*C. Trianei* × *L.-c.* × *Myra* (votes, unanimous), from Sir Trevor Lawrence, Bart., K.C.V.O. (gr. Mr. W. H. White). Flowers several on a spike, clear cowslip-yellow. (Fig. 86.)

To *Odontoglossum* × *Thompsonianum*, Gatton Park variety (*Edwardii* × *crispum* 'Mary Colman') (votes, 9 for, 3 against), from

Fig. 85.—Cattleya × 'Robert de Wavrin,' Westonbirt var. (*Gardeners' Magazine.*)

Sir Jeremiah Colman, Bart., V.M.H. (gr. Mr. Collier). A good form with claret-purple flowers, with lilac margins and tips to the segments.

To *Houlletia Sanderi* (votes, unanimous), from Messrs. Sander, St. Albans. Scapes stout, erect, about one foot, and bearing two to

three fleshy cream-white flowers, having some resemblance to those of the Dove Orchid (*Peristeria elata*).

To *Odontoglossum* × ' Gladys H. W. Cheal ' (*cirrhosum* × *crispo-Harryanum*) (votes, unanimous), from Messrs. McBean, Cooksbridge. Flowers white tinged with yellow, and heavily blotched with dark purple.

FIG. 86.—LAELIOCATTLEYA × TRIMYRA. (*Journal of Horticulture.*) (p. lxx.)

Botanical Certificate.

To *Polystachya bracteosa*, from Sir Trevor Lawrence, Bart., K.C.V.O. (gr. Mr. W. H. White). A tropical African species with flattened pseudo-bulbs, and racemes of greenish flowers marked with reddish-brown inside.

Cultural Commendation.

To Mr. W. H. White, Orchid grower to Sir Trevor Lawrence, Bart., K.C.V.O., for *Sarcochilus Hartmannii* with four spikes.

rose with ruby-crimson labellum, having a pale yellow spot on each side in the tube. (Fig. 58.)

To *Cattleya Mendelii* 'His Majesty the King' (votes, unanimous), from Francis Wellesley, Esq., Westfield, Woking (gr. Mr. Hopkins). A large and finely formed bluish-white flower with a distinct purple blotch on the front of the lip.

To *Odontioda* × *Charlesworthii* (*O. Harryanum* × *C. Noezliana*) (votes, unanimous), from Messrs. Charlesworth. Flowers of a uniform

FIG. 59.—ODONTIODA CHARLESWORTHII. (*The Garden.*)

deep ruby-crimson with a reddish glow over the surface; crest spiny, yellow. (Fig. 59.)

To *Odontoglossum* × *illustre luxurians* (*Vuylstekei* × *ardentissimum*) (votes, unanimous), from Mons. Chas. Vuylsteke, Loochristi, Ghent. A fine hybrid with reddish-purple flowers, having white margins and tips to the segments.

To *Odontoglossum* × *eximium* 'Queen Alexandra' (× *ardentissimum* × *crispum*) (votes, unanimous), from Mons. Chas. Vuylsteke. Flowers deep reddish purple with slight transverse lines and margin of white.

ORCHID COMMITTEE, MAY 26, 27, 28, 1908.

AT THE INNER TEMPLE GARDENS.

Mr. H. J. VEITCH, V.M.H., in the Chair, and twenty-four members present.

[For Cups and Medals awarded by the Council after consultation with the Judges, see p. xciv.]

FIG. 58.—LAELIO-CATTLEYA 'ELVA,' WESTONBIRT VARIETY. (*Gardeners' Chronicle.*)

Awards Recommended :—

First-class Certificate.

To *Laelio-Cattleya* × 'Elva,' Westonbirt variety (*C. Warscewiczii* × *L.-C. Ingramii*) (votes, unanimous), from Lieut.-Col. G. L. Holford, C.I.E., C.V.O., Westonbirt (gr. Mr. H. G. Alexander). Flowers deep

Botanical Certificate.

To *Oncidium O'Brienianum*, from Miss E. Willmott, Warley Place (gr. Mr. Preece). Flowers in dense branched spikes, brown, with red-brown lips.

Other Exhibits.

Francis Wellesley, Esq. (gr. Mr. Hopkins), showed *Cypripedium Gowerianum giganteum*, and *Lælia* × 'Mrs. Gratrix,' 'Westfield variety.'

Baron Sir H. Schröder (gr. Mr. Ballantine) sent *Odontoglossum crispum* 'Queen's Birthday,' a handsomely blotched form.

Fig. 47.—Brasso-Cattleya × nivalis. (*Journal of Horticulture.*)

J. Bradshaw, Esq. (gr. Mr. Whitelegge), sent two hybrid Orchids.

W. C. Walker, Esq., sent *Odontoglossum coronarium.*

De B. Crawshay, Esq. (gr. Mr. Stables), showed *Odontoglossum Rossii immaculatum.*

G. F. Moore, Esq. (gr. Mr. Page), showed *Lælio-Cattleya* × *Pallas magnifica.*

Mrs. Haywood (gr. Mr. Salter) sent *Odontoglossum crispum*, 'Woodhatch variety.'

Other Exhibits.

Sir Trevor Lawrence, Bart., staged a very interesting selection of rare Orchids.

Francis Wellesley, Esq., Westfield, Woking (gr. Mr. Hopkins), sent *Cattleya amethystoglossa* 'Westfield variety.'

Messrs. W. Cutbush & Sons, Highgate, showed a greenish-yellow form of the Japanese *Calanthe discolor*.

ORCHID COMMITTEE, APRIL 25, 1905.

Mr. H. J. VEITCH in the Chair, and eighteen members present.

Awards Recommended :—

Silver-gilt Flora Medal.

To Norman C. Cookson, Esq., Oakwood, Wylam (gr. Mr. Chapman), for a group of varieties of *Odontoglossum crispum*.

To H. T. Pitt, Esq., Stamford Hill (gr. Mr. Thurgood), for a group of Orchids.

Silver Flora Medal.

To Messrs. Sander & Sons, for a group of Orchids.

Silver Banksian Medal.

To C. J. Lucas, Esq., Warnham Court (gr. Mr. Duncan), for a collection of Odontoglossums.

First-class Certificate.

To *Brasso-Cattleya* × *nivalis* (*Brassavola fragrans* × *Cattleya intermedia*) (votes, unanimous), from Sir Trevor Lawrence, Bart. (gr. Mr. W. H. White). Flowers white, with primrose disc to the lip; fragrant. (Fig. 47.)

To *Cattleya Schröderæ alba* var. 'Madame Louis de Hemptinne' (votes, unanimous), from the Marquis de Wavrin, Somerghem, Belgium (gr. Mr. de Geest). A fine pure white, with yellow throat to the lip.

To *Cattleya Schröderæ* 'Robin' (votes, unanimous), from J. Bradshaw, Esq., Southgate (gr. Mr. Whitelegge). Flowers white, tinted with lavender and bearing a violet-purple blotch on the lip.

To *Odontoglossum* × *Thompsonianum* (*Edwardii* × *crispum*) (votes, unanimous), from W. Thompson, Esq., Stone, Stafford (gr. Mr. W. Stevens). Plant bearing a tall branched spike as in *A. Edwardii*. Flower 2½ inches across, shaped like *O. crispum*. Colour rich claret-purple, with rose tips and margins to the segments.

Award of Merit.

To *Odontoglossum crispum Smeeanum* (votes, unanimous), from Norman C. Cookson, Esq. Flowers large, rose-pink, with uniform light brown spots.

First-class Certificate.

To *Sophro-Lælia* × *læta Orpetiana* (*L. Dayana* × *S. grandiflora*) (votes, unanimous), from Major G. L. Holford, C.I.E. (gr. Mr. Alexander). Flowers bright magenta-crimson, with yellow base to the lip. **A.M.**, March 25, 1902. (Fig. 52.)

To *Lælio-Cattleya* × 'King of Spain' (parentage unrecorded) (votes, 10 for, 3 against), from Messrs. Jas. Veitch & Sons. A large and finely formed flower, with strong indication of *Cattleya Warnerii*. Sepals and petals bright rosy-lilac; front of lip bright crimson-purple; disc yellow, with purple markings at the base.

Award of Merit.

To *Odontonia* × *Lairesseæ* (*Miltonia Warscewiczii* × *Odontoglossum crispum*) (votes, unanimous), from M. A. de Lairesse, Liège, Belgium.

Fig. 52.—Sophro-Lælia × læta Orpetiana. (*Journal of Horticulture.*)

Habit and general form of the flower approaching *M. Warscewiczii*, but the flowers broader in all the parts; white, with the inner two-thirds of the segments blotched with rose.

To *Epidendrum* × *radico-vitellinum* (*E. radicans* × *E. vitellinum*) (votes, unanimous), from Sir Trevor Lawrence, Bart. Habit of *E. radicans*, the terminal inflorescence bearing many orange-coloured flowers similar to those of *E. vitellinum*.

To *Epi-Lælia* × *vitell-brosa* (*E. vitellinum* × *L. tenebrosa*) (votes, unanimous), from Sir Trevor Lawrence, Bart. Inflorescence erect; flowers 2½ inches across. Sepals and petals bronzy yellow; lip yellowish, with rose markings.

Cultural Commendation.

To Mr. W. P. Bound, gr. to Jeremiah Colman, Esq., Gatton Park, for a large specimen of *Odontoglossum crispum* with four flower-spikes, which had been grown in two years, from a single bulb, taken from an established plant.

Other Exhibits.

Sir Frederick Wigan, Bart. (gr. Mr. W. H. Young), staged a magnificent group of Orchids, in the formation of which 18 genera, 39 species, 9 varieties, and 18 hybrids were displayed.

Jeremiah Colman, Esq. (gr. Mr. Bound), exhibited an excellently arranged group.

Messrs. Sander & Sons had a magnificent group occupying 200 square feet.

Messrs. Charlesworth & Co. staged an effective group of rare Orchids extending over 200 square feet.

John Rutherford, Esq. (gr. Mr. Lupton), staged a group of Orchids.

Messrs. Wm. Bull had an effective arrangement of Lælias, Cattleyas, &c.

Mr. John Robson, Altrincham, staged a group of Odontoglossums and other Orchids.

Messrs. Stanley & Co., Southgate, showed a selection of good *Cattleya Mossiæ*, &c.

Messrs. Hugh Low had a good group of Orchids.

J. Forster Alcock, Esq., showed Odontoglossums.

E. Roberts, Esq., Eltham, sent good varieties of *Cypripedium bellatulum*.

ORCHID COMMITTEE, JUNE 20, 1905.

Mr. J. GURNEY FOWLER in the Chair, and seventeen members present.

Awards Recommended :—

Silver-gilt Flora Medal.

To Sir Trevor Lawrence, Bart., Burford (gr. Mr. W. H. White), for a group of Orchids containing many rare species and varieties.

To Messrs. Charlesworth & Co., for a group of hybrid Orchids.

To Messrs. Sander & Sons, for a fine selection of Orchids.

Silver Flora Medal.

To H. T. Pitt, Esq., Stamford Hill (gr. Mr. Thurgood), for a fine group of Orchids.

To Messrs. Hugh Low, for a group of Cattleyas, &c.

To Messrs. Stanley, for Cattleyas, &c.

Silver Banksian Medal.

To Mrs. Ernest Hills, Redleaf, Penshurst (gr. Mr. Ringham), for a group of *Miltonia vexillaria*.

To *Oncidium Harrisonianum*, from Sir Trevor Lawrence, Bart. A dwarf floriferous species of the *O. pulvinatum* section. Flowers yellow, blotched with brown.

Cultural Commendation.

To Mr. W. H. White, orchid-grower to Sir Trevor Lawrence, Bart., for the rare *Epidendrum Laucheanum* with a pendulous raceme of over one hundred flowers.

Fig. 56.—Cattleya Iris magnifica. (*Journal of Horticulture.*)

Other Exhibits.

Sir Trevor Lawrence, Bart., showed fine specimens of *Miltonia vexillaria Leopoldii*, *Catasetum pileatum*, and *Cypripedium* × *Youngianum*.

Major G. L. Holford showed *Cattleya* × 'Lord Rothschild,' and other Orchids.

Francis Wellesley, Esq., showed *Cattleya* × *vestalis magnifica* and *Cypripedium* × 'Baron Schröder' var. *punctata*.

Messrs. Sander staged a selection of Lælio-Cattleyas.
Messrs. Jas. Veitch showed several good Lælio-Cattleyas.
Messrs. Wm. Bull sent five plants of *Cattleya* × *Atalanta*.

ORCHID COMMITTEE, SEPTEMBER 12, 1905.

Mr. GURNEY FOWLER in the Chair, and eighteen members present.

Awards Recommended:

Silver Banksian Medal.

To Messrs. Sander & Sons for a collection of Lælio-Cattleyas, &c.
To Messrs. Stanley, Southgate, for a group.

First-class Certificate.

To *Cattleya* × *Kienstiana* 'Oakwood variety' (*Dowiana aurea* × *Lüddemanniana*) (votes, unanimous), from Norman C. Cookson, Esq., Oakwood, Wylam (gr. Mr. Chapman). Flowers large, sepals and petals dark rose; lip crimson, with yellow lines radiating from the base to the centre.

Award of Merit.

To *Cypripedium* × *villoso-Rothschildianum* (*villosum* × *Rothschildianum*) (votes, 9 for, 2 against), from Norman C. Cookson, Esq. Flowers produced like *C. Rothschildianum*, but more nearly resembling *C. villosum*. Upper sepal and petals yellow, with dark purple lines. Lip yellow, tinged red.

To *Cattleya Iris magnifica* (*bicolor* × *Dowiana aurea*) (votes, unanimous), from Major G. L. Holford, Westonbirt (gr. Mr. Alexander). Flowers bronzy yellow, with a fine crimson-purple lip. (Fig. 56.)

To *Stanhopea connata* (votes, unanimous), from Sir Trevor Lawrence, Bart. (gr. Mr. W. H. White). A large orange-coloured species with purple blotches on the globose, fleshy hypochil of the lip, and lower halves of the petal.

To *Cycnoches peruvianum* (votes, unanimous), from Sir Trevor Lawrence, Bart. The plant bore a pendulous raceme of male flowers each 2 inches across; green, spotted with purple, and with a much-divided white labellum.

To *Cattleya* × *Iris inversa* (*Dowiana aurea* × *bicolor*) (votes, 9 for, 3 against), from Messrs. Sander, St. Albans. Plant dwarf. Flowers large; sepals and petals reddish-brown, with golden margin; lip purplish-crimson.

Botanical Certificate.

To *Calanthe japonica*, from Sir Trevor Lawrence, Bart. Habit of *C. veratrifolia*, but smaller. Flowers white, with a red callus on the lip of one of the specimens, and a yellow on the other plant.

To *Brassavola cucullata*, from Sir Trevor Lawrence, Bart. The fine old white species with elongated labellum, which was the type on which the genus was founded in 1813. Syn. *B. cuspidata*.

rosette-like close to the pot. Each of the eight crowns bore a spike of pretty white and lilac flowers, 9 inches to 1 foot in length.

Other Exhibits.

Leopold de Rothschild, Esq. (gr. Mr. Hudson), showed the fine pure white *Dendrobium formosum*, 'Gunnersbury House variety,' and *Odontoglossum bictoniense roseum*.

Fig. 57.—Cattleya × Maronii 'Westfield Variety.'

Sir W. Marriott, Bart. (gr. Mr. Denny), sent *Cattleya* × 'Ethel' ('Rex' × *Warscewiczii*).

Major G. L. Holford (gr. Mr. Alexander) sent *Cattleya* × *Ashtonii* 'La Belle' and *L.-C.* × 'Berthe Fournier.'

Jeremiah Colman, Esq. (gr. Mr. W. P. Bound), showed *Lælio-Cattleya* × 'Nysa' from seeds sown June 26, 1901.

Mr. H. A. Tracy sent *Cypripedium* × 'Herbert Goodson' (*Sanderianum* × *Youngianum*).

G. L. Palmer, Esq. (gr. Mr. Bannerman), showed hybrid Cypripediums.

H. S. Goodson, Esq., Putney (gr. Mr. Day), showed *Cattleya Harrisoniana* 'H. S. Goodson' and other Orchids.

C. L. N. Ingram, Esq. (gr. Mr. Bond), sent *Lælio-Cattleya* × *callistoglossa* var. *fulgens*.

C. J. Lucas, Esq. (gr. Mr. Duncan), showed *Cypripedium* × 'Edith Lucas.'

H. T. Pitt, Esq. (gr. Mr. Thurgood), sent *Cypripedium* 'Grace Pitt' (*Leeanum virginale* × *niveum*).

Messrs. Stanley, Southgate, showed a group of Brazilian Orchids.

ORCHID COMMITTEE, SEPTEMBER 26, 1905.

Mr. H. J. VEITCH in the Chair, and sixteen members present.

Awards Recommended:—

Gold Medal.

To Messrs. Charlesworth, Bradford, for a magnificent group of hybrid Orchids, and rare species.

Silver Banksian Medal.

To Messrs. Sander & Sons, St. Albans, for a group.

To Messrs. Stanley, Southgate, for a group.

Award of Merit.

To *Lælio-Cattleya* × *crispo-Hardyana* (*L. crispa* × *C.* × *Hardyana*) (votes, 8 for, 3 against), from Major G. L. Holford, C.I.E., C.V.O. (gr. Mr. Alexander). A fine flower, with silver-white sepals and petals, tinted with lavender. Lip broad and fringed, purple, with orange lines from the base to the centre.

To *Cattleya* × *Maronii* 'Westfield variety' (*velutina* × *Dowiana aurea*) (votes, 12 for, 1 against), from Francis Wellesley, Esq., Westfield, Woking (gr. Mr. Hopkins). Sepals and petals golden-yellow, with a bronze tint. Lip yellow at the base, the blade veined with crimson, the more prominent lines being raised. (Fig. 57.)

To *Miltonia Regnellii* 'Gatton Park variety' (votes, unanimous), from Jeremiah Colman, Esq., Gatton Park (gr. Mr. W. P. Bound). A remarkable variation from the type. Flowers large, sepals and petals yellow, with a small purple base; lip purple.

To *Cypripedium purpuratum* 'Tracy's variety' (votes, unanimous), from Mr. H. A. Tracy, Twickenham. An improvement on the ordinary form in size, and darker in colour.

Botanical Certificate.

To *Stenoglottis fimbriata*, from Mrs. Brightwen, The Grove, Stanmore (gr. Mr. J. W. Odell). A charming South African terrestrial Orchid, with pretty green leaves, densely spotted with purple, and arranged

FIG. 60.—CATTLEYA × PEETERSII 'MRS. FRANCIS WELLESLEY.'

Fig. 36.—Laelio-Cattleya × 'Golden Glory.' (*Gardeners' Chronicle.*)

(*To face page* xcii.)

To Messrs. Armstrong & Brown, Tunbridge Wells, for a group, principally Dendrobiums.

First-class Certificate.

To *Sophro-Laelia* × *Phroso superba* (*S.-L.* × *laeta Orpetiana* × *L. Jongheana*) (votes, unanimous), from Major G. L. Holford, C.I.E., C.V.O., Westonbirt (gr. Mr. Alexander). Habit dwarf and compact. Flower large and of a uniform mauve-crimson colour. (Fig. 31.)

[Fig. 31.—Sophro-Laelia × Phroso superba. (*Gardeners' Chronicle.*)

Award of Merit.

To *Laelio-Cattleya* × 'Lawrie' (*L.-C. warnhamensis* × *C. Lawrenceana*) (votes, 14 for, 1 against), from C. J. Lucas, Esq., Warnham Court (gr. Mr. Duncan). Flowers bright mauve-purple with maroon lip.

To *Odontoglossum crispum* 'Roi d'Angleterre' (votes, 12 for, 3 against), from Messrs. Linden, Brussels, obtained by crossing two blotched forms of *O. crispum*. Flowers light purple with an orange shade; margin and intersecting lines between the blotches silver-white.

To *Odontoglossum crispum album*, 'Orchid Villa variety' (votes, 14 for, 0 against), from Monsieur Theodore Pauwels, Ghent. A snow-white flower with orange-coloured spots on the lip.

To *Cattleya Trianaei Mooreana* (votes, unanimous), from J. Bradshaw, Esq., The Grange, Southgate (gr. Mr. Whitelegge). Flower rosy-lilac with ruby-claret lip.

Other Exhibits.

J. Gurney Fowler, Esq., Glebelands, South Woodford (gr. Mr. Davis), showed a pretty unnamed hybrid Odontoglossum with pale-yellow flowers blotched with red-brown.

Baron Sir H. Schröder, The Dell, Egham (gr. Mr. Ballantine), sent the fine *Odontoglossum Wilckeanum Schröderianum*.

The Rev. D. J. Stather Hunt, Tunbridge Wells (gr. Mr. Baker), showed *Laelia* × *Statherae* (*purpurata* × *flava*).

F. Menteith Ogilvie, Esq., Oxford (gr. Mr. Balmforth), sent *Odontoglossum crispum* 'Fergus,' a distinctly blotched form, flowering for the first time.

W. Waters Butler, Esq., Edgbaston, sent a fine *Cymbidium insigne* and *Odontoglossum Wilckeanum* 'King of Spain.'

Messrs. Linden, Brussels, showed several hybrid Odontoglossums.

Monsieur Mertens, Ghent, showed a selection of Odontoglossums.

Orchid Committee, April 16, 1907.

Mr. J. Gurney Fowler in the Chair, and twenty-four members present.

Awards Recommended:—

Silver-gilt Flora Medal.

To Messrs. Charlesworth, Heaton, Bradford, for a group of hybrid Odontoglossums &c.

Silver Flora Medal.

To J. Gurney Fowler, Esq., Glebelands, South Woodford (gr. Mr. Davis), for a fine group of *Cattleya Schröderae* of excellent quality, some of the plants bearing eighteen flowers.

To Messrs. Jas. Veitch & Sons, Chelsea, for a group of hybrid and other Orchids.

To H. S. Goodson, Esq., Putney (gr. Mr. Day), for a group.

To C. J. Lucas, Esq., Horsham (gr. Mr. Duncan), for a group of Odontoglossums &c.

Pl. 246

Pleurothallis astrophorus. Rbr. f.

Del. Kränzlin

Polystachya tesselata Lindl.

249.

IV.

Tab. 247.

Plourothellis scapha Kbr. f.

del. [illegible]

Tab. 247

Pleurothallis obovata Lindl.

del. Rodriguez

Tab. 248.

Pleurothallis orbicularis

del. Kränzlin.

Komplett an Herrenhausen
in Wendland

14. IX 1890.

Pl. 248.

Pleurothallis Lansbergii Regel

del. Kramer

Tafel 245.

2.

1.

Sept. 264

del. Kränzlin

Tafel 251

253
10.
8.
9.
II
del. Kraus
II & 9 Catasetum Lichtensteinii Kraus.
10. C. Trulla Lindl.

Aerides Ortgiesianum.

Probe des Colorites.

Die mit + bezeichnete Blüte ist am Habitusbild in gleicher Weise zu colorieren, die mit H bezeichnete ist als Fig 1 der Analyse ebenfalls coloriert zu zeichnen, der Stiel ~~kann fort~~ bleibt fort.

Coelogyne cuprea

Tafel 245.

F. H. del. Kränzlin.

Cattleya Skinneri Batem. var. Bowringiana Veitch

Masillaria longipes Lind

Analyse pr 244.

Peristeria grandis.

R. Kirchner ad nat. pinxit.

Fig. 343.

del. E. Vogt.
analys. F. Kränzlin.

Cirrhopetalum ~~[illegible]~~ ~~Kränzlin~~
Colletti Hemsley.

Tafel. 254

Laelia Reichenbachiana, Nondlandt x ~~[illegible]~~

Kranzlin.

del. F. H. Kraus lin.

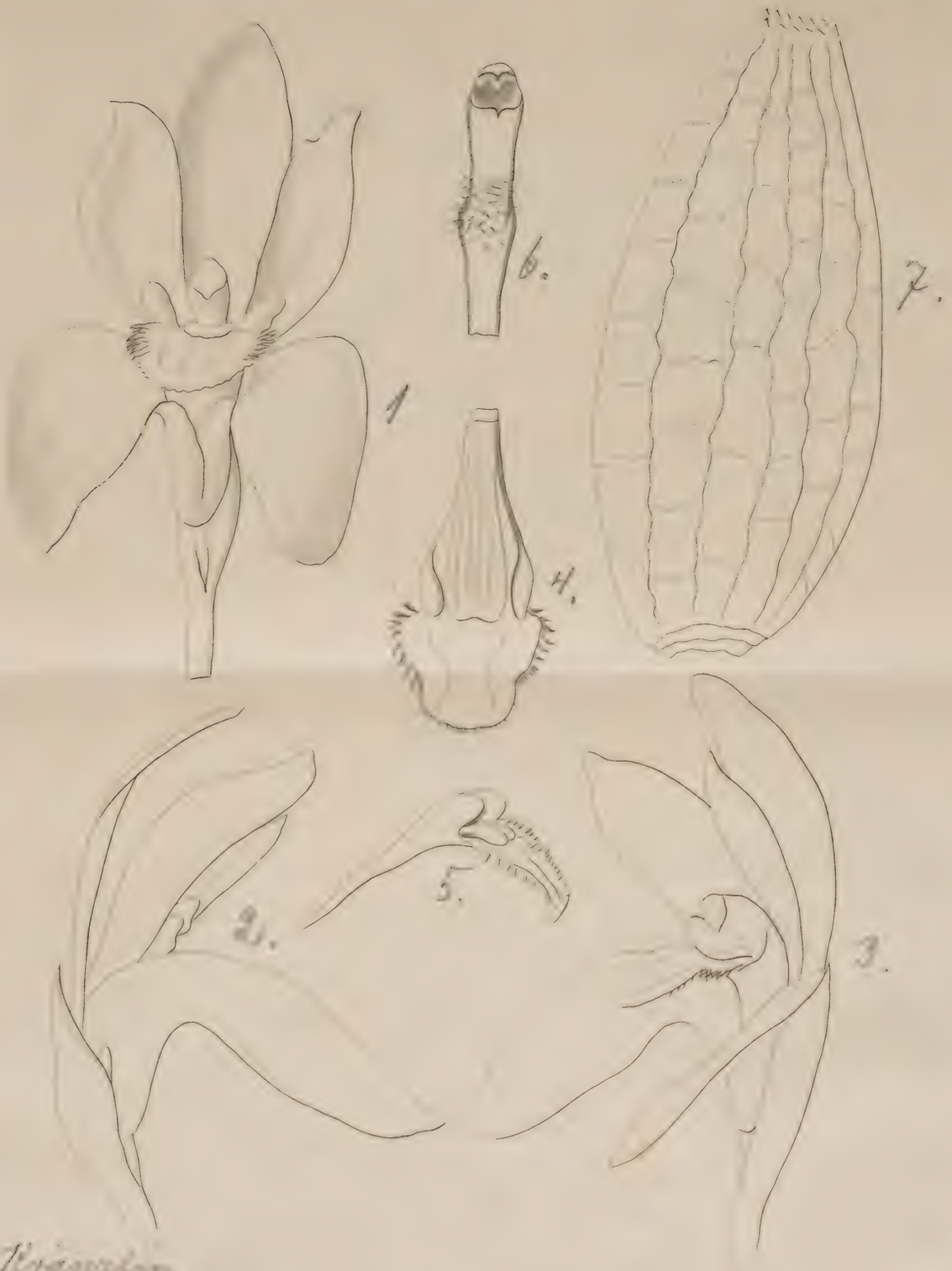
Peoratosca Lehmann Ill. f.

I del. Wendland
II del. Kränzlin
1-7.

I Hexisea tenuissima Wendl. & Kzl.

II. 8-12. Oeonia Brauniana Wendl. & Kzl.

#292.



del. Kränzlin

Lycaste costata Lindl.

Lycaste costata Lindl.

2943.

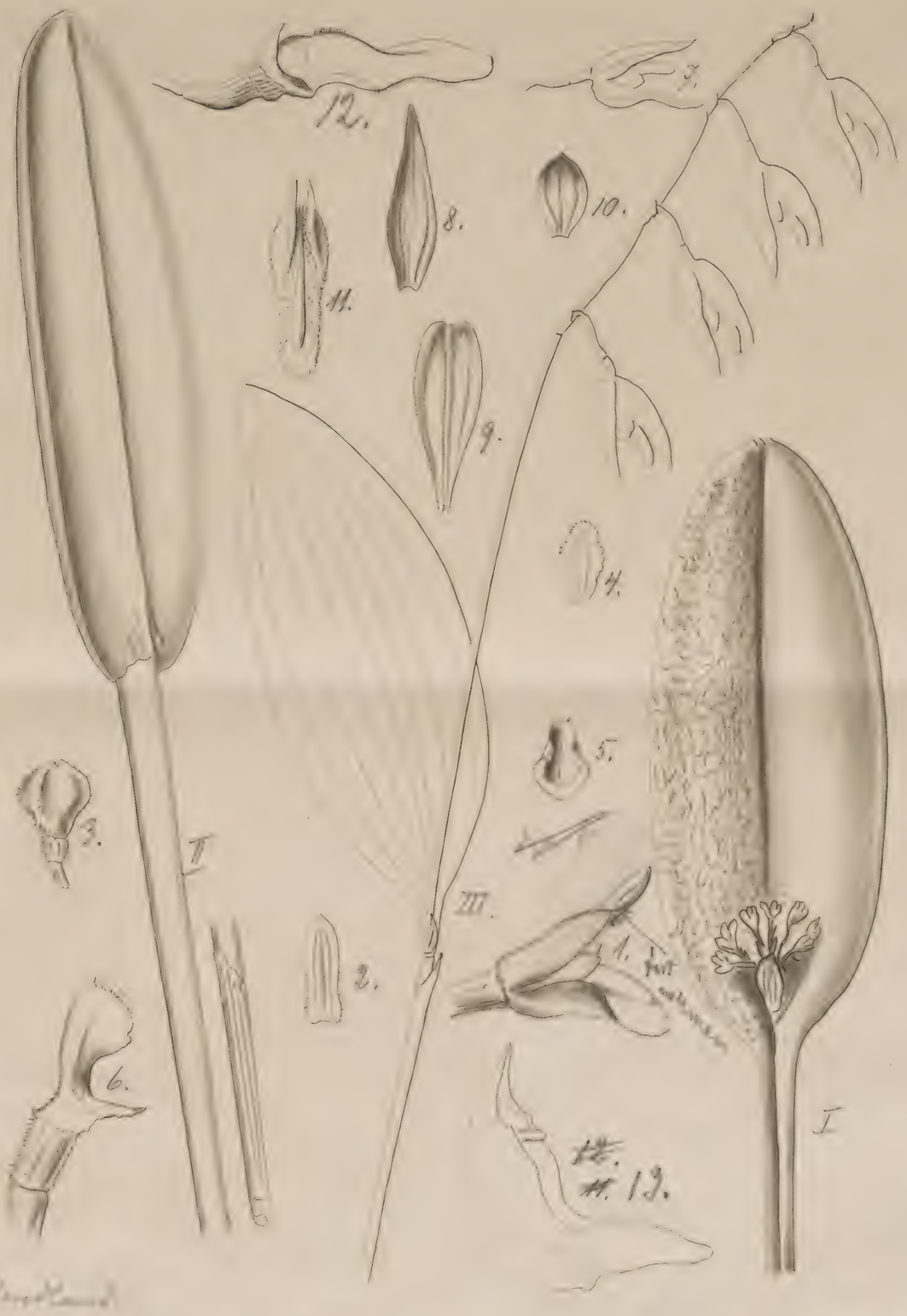
I. 1–4. Sophronitis militaris Rchb. f. II. 5–9 Pogonia macrantha Barb. Rodr.

I. 1–4. Sophronitis militaris Rchb. f. II. 5–9 Pogonia macrantha Barb. Rodr.

294.

~~I del. F. C. Lehmann~~
I 1-7 Wendland
II del. F. C. Lehmann
8-13 del. Wendland
I. 1-7. Pleurothallis glandulifera Lindl. II Pleurothallis immersa Lindl.
8-13. Pleurothallis lonchophylla ~~Nach Rodr.~~ Cogn.

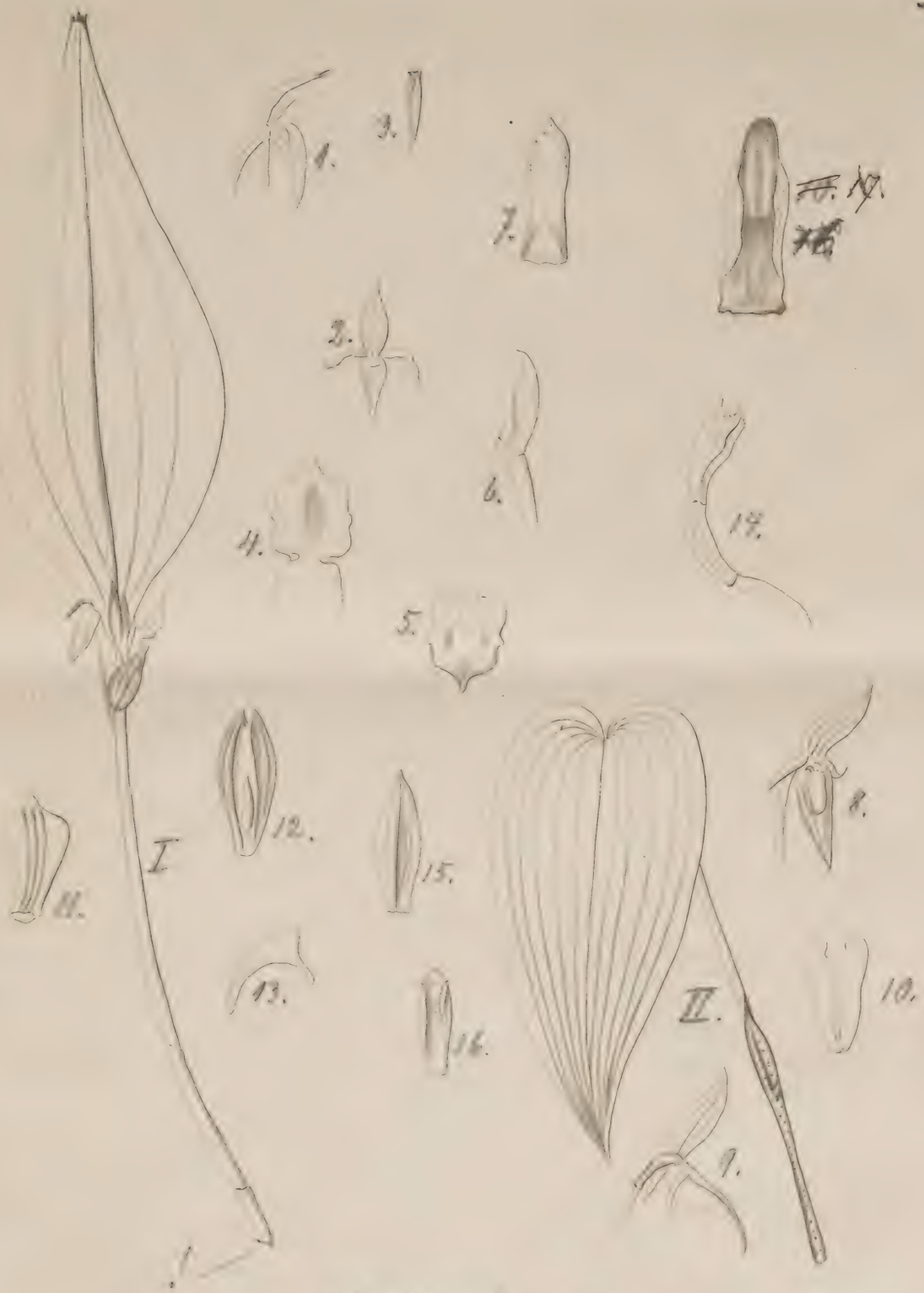
2976.



Lit. Wendland

I. II 1–6 Pleurothallis hastwegiaefolia Wendl. et Kzl.
III Pleurothl. pachyglossa Lindl.
7. 13.

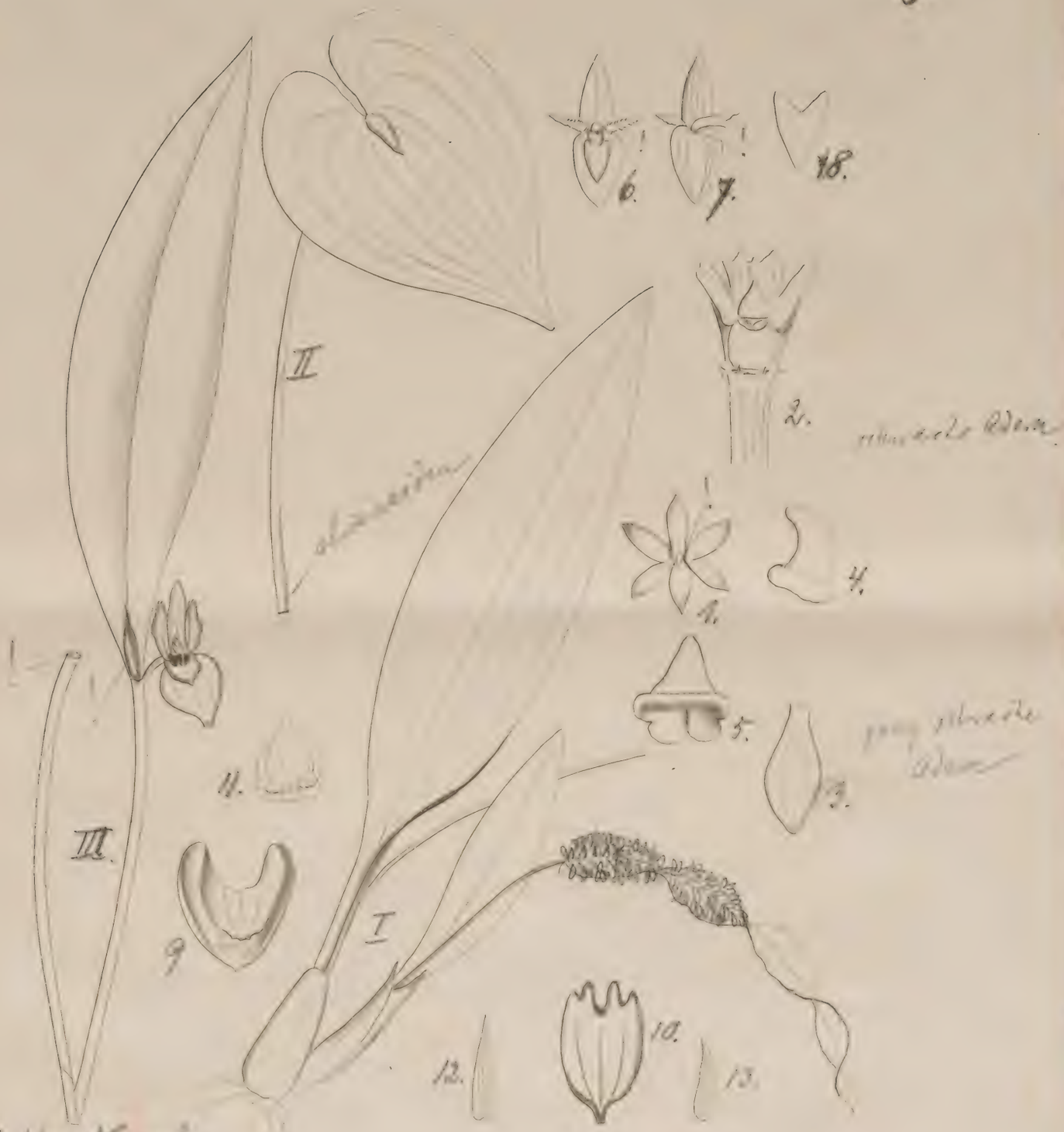
297.
~~296~~



I 1-7. Pleurothallis ~~Cardium~~ Wendlandiana Rchb. f. II. Pleurot. Cardium Rchb. f. (8-10.)
11-17. Pleurot. immersa Rchb. f.

Sch. Wendlauer

I Pleurothallis Hoffmannseggiana Rchb. f. II 8-12 Pleurothallis
(1-7) Ardentula Klotzsch III (13-18) Pleuroth. arctangula Wendl. & Kryt.



del. Wendland.

I 1-5 Platyclinis bistorta Wendl. & Rgl. II 6-8 Pleurothallis cardiocrepis (Rchb.)
III 9-13. Pleuroth. Archidonae Lindl.

Pescatorea Lehmanni
Rbr. f.

244.
1.
2
4
3
5.
Pescatorea Lehmanni Rbr f

(Nicht verwendet)

238.

Angraecum hyalod.
Lipsa occidentalis

Von dieser Tafel habe ich
keinen Abzug; sie ist
ganz stichfertig

[illegible]

is neither Vertchiaunn nor [illegible]

Jeffor like a fadden Dinner the

write me to Ghent —

au bureau de l'expédition

quinquenale des fleurs.

Till to [illegible] till Tuesday at least,

Else to Aldg.

Inf. 236.

Unten.

Pfl. ab. № 58.

Lbg. № 4471.

Del. F.C. Leb.

Zygopetalum (Warscewiczella) alatum

Pfl. Al. № 43.

F.C. Lüm. del.

Pfl. Ab. No. 45.

Nasonia

F. C. Ehm. del.

Pfl. ab. Nº 47.

F.C. Zimm. del.

Pfl. Ab. No. 44.

F. C. Lhm. del.

Pfl. Ab. Nº 54.

F. L. Lum. del.

Zygopetalum (Kefersteinia)

Pl. Ac. № 53.

Chondrorhyncha

F.P. Leeuwen del.

Pfl. Ab. No. 52.

Herb. No.

Epidendrum

F. C. Lhm. del.

Pfl. Ab. № 48.

F. C. Thm. del. Epidendrum

Pfl. Ab. - N° 67.

Herb. Nr. 6894.

F. C. Lehmann del.

Maxillaria lepidota Lindl.

Pfl. Ab. Nº 66.

Herb. 4533.

Maxillaria

F.C. Thm. del.

Pfl. Ab. № 65.

Herb. № 4633.

Trichocentrum.

F. C. Thom. del.

Pfl. Ab. No 64.

Scelochilus

Herb. No 4332.

F.C. Lhm. del.

Pfl. Ab No. 82.
Herb. No. 6417.

F. C. Lhm. del.

Pfl. Ab. No. 77.

5

F. A. Lüm. del.

Pfl. Ab. No. 78.

Herb. No. 7248.

F. C. Ehme del.

Pfl. Ab. № 71.

Herb. № 7246.

Maxillaria

F. J. Ehm. del.

Pfl. ab. N: 70.

Herb. Nr. 5188.

Maxillaria

F. L. Linn. del.

Pfl. Ab. № 69.

Herb. № 6545.

Maxillaria

F. C. Thun. del.

Pfl. Ab. N: 68.

Maxillaria

F.C. Thm. del.

Pfl. Ab. № 21.

F. C. Ehm. del.

Pfl. Ab. N: 22.

Herb. N: 4321.

Del. F. C. Leh.

Jonopsis

Pfl. Ab. [illegible]

F.C. Lhm. del.

Pfl. Ab. No. 2.
Aug. 1837.

F. C. Lhm. del.

Pfl. Ab. № 20.

Oncidium iridifolium H.B.K.

F. C. Lehm. del.

Pfl. Ab. Nº 19.

Odontoglossum

F. C. Lehm. del.

Pfl. Ab. No. 4.

Stelis

F. C. Lhm. del.

Pfl. Alb. N° 57.

Herb. N° 6881.

Del. F.C. Lehm.

Zygopetalum

Pfl. ab. Nº 63.

Notylia albida

F.C. Elm. del.

Pfl. Ab. № 62.

Rodriguezia (Burlingtonia)

F. C. Zinn. del.

Pfl. Ab. Nº 32.

F.C. Schm. del. Hofmeisterella

Pfl. Ab. № 33.

[illegible] del. Hofmeisterella

Pfl. Ab. No. 29.

F. C. Lim. del.

Hofmeisterella

Pfl. Ab. No 31.

F. C. Schm. del. Hofmeister

Pfl. Ab. № 28.

F.C. Thm. del. Hofmeisterella

Pfl. Ab. No. 30.

F. C. Lhm. del.

Hofmeisterella

Cattleya velutina. Rbin. f.
Williams Orchid Alb. Tom I
tab. 26.

Notizbuch p. 314.

100 yards in length along the shore at the level of low-water mark. Attention was first attracted to it, by large pieces of peat being found thrown up on the beach near high-water mark by the action of the tide after some of the recent storms. Examination of some of the pieces shows the remains of trees and roots of considerable size. The wood is not in any way petrified, but is rather soft when first taken out, and of a reddish colour, and bears evidence of having been at some period or another subjected to considerable pressure. Many of the smaller branches, from 1 to 2 inches in diameter, may be seen as flat as ribbons, nothing of the wood remaining now, but simply ribbon-like pieces of bark. Small seeds have been found in some of the pieces, also Hazel-nuts in fair preservation, and many wing cases of small beetles. Three kinds of trees have been made out by the wood and bark — viz., the Birch, the Alder, and the common Hazel or Filbert. Some of the members of the Sutherland Field Club visited the place, with a view of finding out the overlying strata, and tracing the peat bed, if possible, from the point where exposed for some way inland. The incoming tide and the appearance of water before the peat field was reached prevented anything being done in the way of ascertaining its extent. Some of the first trials, about twenty paces from low-water mark, showed that the peat was overlaid by a deposit of blue clay about 1 foot in thickness, the blue clay being in turn overlaid by about 6 inches of yellowish sandy clay, gravel and sand forming the remainder between the yellow clay and the surface. No shells were found in the yellow clay, but the blue clay was thickly studded with the commoner bivalve shells usually found on the sea coast. One thing is clear, a forest once flourished on this part of the bed of the Dornoch Firth. When and how it came to be submerged is a nut for geologists to crack. *D. Melville, Dunrobin Castle Gardens.*

A Monster Wistaria.—To all lovers of this beautiful climber there may be seen at the present time, at the seat of W. Young, Esq., Valence, Westerham, Kent, a magnificent old plant covered with pale lilac blossoms. I thought it might be of interest to quote a few of its dimensions. At the base its circumference is exactly 4 feet, and at 6 feet from the base it measures 3 feet in circumference, from which point there extend two immense limbs, travelling round the whole of the conservatory, at a distance of 140 feet, besides its numerous minor branches. The sight presented before the visitor, and the agreeable fragrance with which it fills the whole house, is one never to be forgotten. It is well worthy a visit, and may be viewed on application to the gardener, Mr. Haffenden. I may mention that the same variety was planted outdoors in the same year, and trained to a wall, but the dimensions are not a quarter of this indoor-cultivated one. I should be glad to hear from your readers if there is another such a fine specimen in the country. *A. O. Watkins, Westerham.*

The Tenby Daffodil — This Daffodil, which grows wild at Tenby, whence I had it and name it, was the first of the genus to flower in my garden this year, having come into flower on February 25—two days before the first flower of Narcissus nanus. The latter, however, came into flower all over the garden at once, whilst the Tenby Daffodil comes in a long succession, each individual flower lasting longer than those of any other variety of Narcissus. Mr. Peter Barr told me last year that less is known about the origin and history of this Daffodil than any other. He calls it N. obvallaris—for want, as he said, of a better name. In Sowerby's *English Botany* it is called Broomfieldi. Mr. Barr also told me that it is unknown in Continental nurseries, and that he went all over Holland without meeting with it. It may at once be distinguished by the shortness and stiffness of the outer segments of the perianth, the tube, which is wide and open, projecting far beyond them. It is the only variety except nanus which regularly ripens seed in my garden; and I have this year tried to cross it with Horsfieldi and Empress, which I have forced for the purpose. With the same treatment these two came into flower on the same day, Horsfieldi having, as usual, the larger flowers of the two, but Empress being taller; Horsfieldi seems to me to produce no pollen. *C. Wolley Dod, Edge Hall, Malpas, March 8.*

United Horticultural Benefit and Provident Society.—In your notice of this Society last week an important feature of the Society is omitted, and that is, what becomes of the members' annual contributions to the benefit fund after the share to the sick pay is deducted. This is placed out at interest by the Society in some safe investment, as allowed by the Friendly Society's Acts of Parliament. I notice the monies of this society are invested in Consols. I have this day received my annual balance-sheet, and by it I see my share towards sick pay for the past year was "fivepence," and the balance due to me in the society's books, £34 17*s.* 3½*d.* I may say that I am the first member on the books, although there are several others about the same date. This money goes on accumulating year by year, until the member dies or attains the age of seventy years, when if he wishes he can withdraw it or allow it still to accumulate. This will explain why there is no "burial fund." The Secretary will gladly give any further explanation, and send copies of rules of this useful society. Young gardeners especially will find it a good and safe investment. *William H. Heale, 16, Simpson Street, Newcastle-on-Tyne.*

Foreign Correspondence.

HORTICULTURE IN SWITZERLAND. — Our little country is often considered behindhand as regards horticulture. It is true that gardening pursuits do not take so important a place with us as they do in Belgium or Holland, countries in extent as small as Switzerland. We have also few specialities in the way of cultivation. This arises no doubt from the nature and configuration of the soil and its sterility over large areas. In the alpine districts horticulture carried on as it is in the plains is impracticable. Nevertheless, when the necessary allowances are made it will be found that we are in no wise behind our neighbours. It must be borne in mind that there are in Switzerland three distinct stocks or races of people welded into one common country. The cities of Berne and Basle are cosmopolitan, but German Switzerland, with Zurich at its head, receives its impulse from Germany. Latin (Romande) Switzerland, which borders upon France on one side and Italy on another, adopts the cultivation pursued in France, especially in the matter of fruit tree culture. Attention is here chiefly directed to what may be grown out-of-doors, while in German Switzerland stove plants, window plants, the manufacture of bouquets, &c., attract most attention.

In Italian Switzerland, which is, though politically Swiss, geographically Italian, the customs of Italy prevail. German Switzerland possesses numerous and important commercial horticultural establishments, of which the most notable is that of MM. Froebel, of Zurich. All branches of the nursery trade are carried on there, but special attention is given to the cultivation of plants under glass. With us at Geneva our largest nursery establishment is that of MM. Vaucher & Cardinaut, who have a reputation for hardy trees and shrubs, Conifers, and specially for fruit trees. It is well known that we have at Geneva the two finest Cedars of Lebanon, brought by Jussieu, and planted by him at Beaulieu about the same time as that in the Jardin des Plantes at Paris, which, however, is not nearly so fine a specimen as those at Beaulieu. In the neighbourhood of Geneva are several fine old gardens. In the time of Voltaire, who resided in one of the suburbs, there was much taste shown in the laying out of gardens. At Geneva, also, was established the first botanic garden in Switzerland under the auspices of our illustrious fellow-citizen, M. de Candolle. At Geneva, also, under similar auspices, was established the first Swiss horticultural society, in the year 1855. It publishes a journal, which is greatly esteemed by the members and by the fellows of corresponding societies, and by its exhibitions has contributed greatly to the development in this country. It has a rival even in Geneva, which numbers 500—600 members, and the existence of these two societies side by side in our little centre may be taken as an indication of the prosperous state of horticulture. In this respect Geneva surpasses most of the towns of Europe of equal size. There are two horticultural journals in Geneva, the *Revue Horticole* of M. Vaucher, and the *Jardinier Suisse*. In German Switzerland there are only certain horticultural periodicals of minor importance, and exhibitions and horticultural societies are few and far between. The Canton de Vaud has its horticultural society, numbering many members, and publishing a journal which brings up the number of publications in French Switzerland to four—not an insignificant number, all things considered.

The only special characteristic of Swiss horticulture is the cultivation of alpine plants. Throughout Switzerland, whether the people be of Romande or Germanic race, there is a strong taste for mountain excursions. It is, therefore, not to be wondered at that the flora of our mountains is appreciated by a large number of our citizens. For many years the cultivation of alpine plants in the plain has been carried on at Geneva, the city of botanists and of students of alpine natural history; but it is only within the last ten years that the cultivation of these plants has been taken up as a branch of trade. Messrs. Froebel were the first to undertake this department on a large scale, and many others have since followed suit. With this exception, we have no speciality in Switzerland, and no parks and pleasure-grounds on the scale of those in England; but so far as we can we have imitated the taste and procedures of our masters, and we may safely say that horticulture in Switzerland has already a well-defined position, and a future full of promise. *H. Correvon, Inspector of the Botanic Garden, Geneva.*

CAMBRIDGE, MASS., U.S.A.—The Horticultural Society of Boston, Mass., held an exhibition on February 18 in the Horticultural Hall, a noble stone building, very solid and ornamental from top to base. The library is extensive, and open at all times to all members. Boston, in this respect, puts London to shame. The Society is a sound affair, not in debt, and managed by practical men, who put life into it. The meeting was well attended by about 200 members, though the country was clothed in a sheet of snow about 18 inches deep. Mr. C. M. Hovey had a group of cut Camellias, C. M. Hovey and Mrs. A. M. Hovey being the best; and a similar group came from Mr. F. B. Hayes, Lexington. Two pots of fine Mignonette came from Mr. Atkinson, gr. to Mr. J. L. Gardener, of Brooklyn. Some good Lettuces came from Mr. Vaize. From Mr. Ward, of Salem, came the grandest bunch of Maréchal Niel Rose I ever saw—such, indeed, that Mr. Paul might covet. A paper was then read by Mr. Philbrick on "Garden Vegetables." The paper was good practical matter, and a discussion followed, the leading points brought out being that deep culture, plenty of manure, and good selected seed should be used. English Cauliflower seed was spoken of as not to be depended upon. The Council and the members freely mixed, not as at South Kensington. Such discussions, as you have often urged, would give interest and value to Kensington meetings.

When the ordinary business of the meeting was over, Mr. H. J. Veitch, of Chelsea, London, a well known horticulturist, was elected a corresponding member.

I have seen some of the best gardens in the neighbourhood of New York and Boston. The Americans are coming along, though they have none of the old establishments as in England, yet they like gardens, and are, in my opinion, men of better taste than most English people. In the windows of New York and New Jersey and Boston you see Agaves, Opuntias, Callas, Crassulas. In all gentlemen's places I have seen, Agaves and Cacti are more numerous than Pelargoniums. Mr. Pelargonium-Society-man would go mad out here. In one of the largest and best kept gardens of New England the gardener, Mr. Harris, said he only wanted about 24 pots for his cuttings, but he had about 100 Agaves. Mr. John Hoey, of Long Branch, N.J., has two houses, 300 feet long, devoted to a splendid collection of Cacti, Agaves, and such things; also Palms, Dracænas, Crotons, Ferns, Orchids, and general stove and greenhouse plants in profusion. Here, as in all gardens I have seen, they grow Roses, and quantities of Myrsiphyllum asparagoides, on wire, for decoration. Mr. Rathbun, of South Amboy, N.J., has a fine lot of Orchids, Crotons, Cycads, Cacti, Agaves, &c.

At Messrs. Pratt's, Watertown, Mass., I saw Orchids well done, Crotons, Dracænas, Agaves, &c. Here I saw some splendid canes of Black Hamburgh Vines; Grapes grow well here, as do also Violets. The sun is as bright as in England in June, but in one night the thermometer fell 50°; what do you think of that? They don't look at the kitchen garden for about four months. Bays, Rhododendrons, Hollies, Azaleas, &c., are kept in winter in a pit underground, with a wooden roof, and a few lights on the top; they keep well so, and are planted out in spring. Oaks, Abies excelsa, Maples, Juniperus virginiana, Abies canadensis, Larch Firs, are most planted. Abies excelsa is used for making hedges, and good ones they are.

At Mr. Hunneywell's, Wellesley, Mass., I saw a fine lot of Phalænopsis in flower as good as in England; Bougainvillea does splendidly here. I saw here also a splendid lot of new Dracænas; Aloes, Yuccas, Cacti, Beaucarneas, and other succulents were plentiful and good; Calanthes and cool Orchids are well done, and Cypripediums.

At John L. Gardener's, Brooklyn, Mass., I saw

Fern; this was recently shown by Mr. Green, and worthily received a certificate; the old Cineraria cruenta is also grown, it is seldom seen, but is a gem for cutting from. The houses contain many plants seldom met with, and which, under the care of Mr. Green, are sure to succeed. *A. O.*

Mice in Gardens.—We were sadly pestered with mice in the garden last spring until a friend of mine caught a grey owl, which he gave to me. I got a box made for it, and placed it in one corner of our walled garden, merely clipping one wing before letting it go. Within a month there was not a scratch of a mouse to be seen, and I have not seen the sign of one since. *C. Lucas, The Gardens, Belmont, Taunton.*

White Broom for Forcing.—The White Broom, Cytisus albidus, is a great acquisition in conservatory decoration, and requires but little heat and ordinary attention to bring it into bloom at a season when flowers are rather scarce. We have had a large plant of it in splendid flower for the last six weeks, and it looks so fresh at the time of writing that I imagine it will last fully six weeks longer. Others may have forced this Broom successfully for many seasons without thinking it worth while to bring it into prominent notice; but those who have not done so, and who wish to have a good show, would do well to give it a trial. If potted up in the autumn, and put into gentle heat, it will come into bloom early in January. *H. C. O. G.*

Ants in Peach-houses.—Having been troubled with ants very much in one of my former places, a few words respecting the plan we adopted to clear them out may not be out of place. Treacle no doubt is a very good thing to attract them, as Mr. Riddel informs us. But our plan was to plunge saucers in the borders up to the rim, with a piece of sponge dipped in sugar placed in each one, also a piece round the stem of each tree. The ants would gather in hundreds and feed on the sugar, then conceal themselves in the sponge; then by going round several times during the day with boiling water and shaking the ants into it we soon cleared them out of the houses. *A. M., Dorset.*

Lilium Leichtlini.—As might be inferred from Mr. Elwes' picture of it, this seems to be a very prolific Lily. It was the first to appear above-ground in a cold frame I have had made to grow Lilies in free soil. A bulb which made two flowering stalks last year has already sent up twelve shoots, the strongest being a fortnight old and 6 inches high. The most remarkable circumstance about it was that the old stalk, cut off 4 inches above the ground, seemed to be breaking at the end into new growth. Not being able to believe my eyes, I pulled it up to send to the Editor of the *Gardeners' Chronicle*, which I have done. On examination I think that one of the small root-bulbs has come up exactly in the hollow centre of the dead stalk, and having grown through the tube has produced the curious appearance described. Is it so? *C. Wolley Dod, Edge Hall, Malpas, March* 5. [Yes: the length of the dead hollow stalk through which the young plant has passed being no less than 5 inches. Ed.]

Plant Labels.—Having read with interest the discussion about labels, I send you one for your inspection. I use them for my herbaceous plants, and they answer admirably, and are almost indestructible. They have a great many good qualities; snails will not run away with them, and magpies have not as yet taken them to line their nests; they are not likely to be dug up or in, and any one can fit the wire to the label. *Edward Morse, The Nurseries, Epsom.* [The arrangement of stout galvanised wire with a loop at the top, on which hangs a zinc label. Ed.]

A Remnant of a Submerged Forest.—On the east coast of Sutherland, at a point about half a mile westward from Golspie, the recent storms have laid bare at low water the edge of a field of peat, from 6 inches to 1 foot in thickness, and extending about

Fig. 53.—Cattleya gigas.

An example of a sympodial Orchid with terminal inflorescence

ORCHID COMMITTEE

JANUARY 5, 1904.

Mr. VEITCH in the Chair, and twenty members present.

Awards Recommended:—

Silver Flora Medal.

To Messrs. Jas. Veitch, for hybrid Lælias and Lælio-Cattleyas.
To Messrs. Sander, for Cypripediums.
To Messrs. Charlesworth, for hybrids.

Silver Banksian Medal.

To C. J. Lucas, Esq., Horsham (gr. Mr. Duncan), for spikes of Calanthes and Cypripediums.

Botanical Certificate.

To *Maxillaria macrura* (syn. *M. longisepala*) (votes, unanimous), from the Botanic Gardens, Glasnevin (curator F. W. Moore, Esq., V.M.H.). A rare species with narrow, elongated, purplish segments to the flowers, and yellowish, red-veined lip.

To *Maxillaria cucullata* (votes, unanimous), from Glasnevin. Flowers one inch across, reddish-brown with dark purple lip.

To *Bulbophyllum micropetalum* (votes, unanimous), from Glasnevin. Flowers in racemes on slender flower stalks; greenish, striped with purple.

To *Epidendrum Cooperianum* (votes, unanimous), from Glasnevin, Flowers in dense clusters; sepals and petals whitish; the large conspicuous labellums bright rose.

Other Exhibits.

Francis Wellesley, Esq., Westfield (gr. Mr. Hopkins), showed a hybrid *Cypripedium* and *Lælia autumnalis* 'Westfield variety.'

H. T. Pitt, Esq., Stamford Hill (gr. Mr. Thurgood), showed three distinct forms of *Cypripedium insigne.*

Mr. Whateley, Kenilworth, sent *Cypripedium* × 'Amy Robsart.'

Messrs. Stanley, Ashton, showed *Miltonia* × *Cogniauxiæ Stanleyi*, a natural hybrid of *M. Regnelli* and *M. spectabilis Moreliana.* Nearest to *M. Regnelli* in shape, but of the purple colour of *M. spectabilis Moreliana.*

Mrs. Haywood, Woodhatch, Reigate (gr. Mr. Salter), sent *Cypripedium* × 'Mrs. Haywood' (*C.* × 'T. B. Haywood' × *C. Charlesworthii*); and *C.* × *Hitchinsiæ maculata.*

Messrs. Hugh Low sent rare Cypripediums.

ORCHID COMMITTEE, JANUARY 26, 1904.

Mr. VEITCH in the Chair, and twenty-three members present.

Awards Recommended:—

Gold Medal.

To Jeremiah Colman, Esq., Gatton Park (gr. Mr. Bound), for an extensive group of finely grown Orchids, principally Dendrobiums.

FIG. 117.—LÆLIA ANCEPS SCHRÖDERÆ 'THEODORA.'

Silver-gilt Flora Medal.

To Messrs. Charlesworth, Bradford, for hybrids.

Silver Flora Medal.

To Messrs. Jas. Veitch, Chelsea, for Lælio-Cattleyas and Cypripediums.

To Messrs. Sander, St. Albans, for hybrids.

FIG. 122.—LÆLIO-CATTLEYA HAROLDIANA MAGNIFICA.

(*To face page* lxxxvii.)

Award of Merit.

To *Cattleya* × *Maronii aurea* (*velutina* × *Dowiana aurea*) (votes, unanimous), from Sir Trevor Lawrence, Bart., K.C.V.O., Burford (gr. Mr. W. H. White). Sepals and petals clear citron yellow; lip rose-crimson with gold veining from the base.

Other Exhibits.

Lieut.-Col. G. L. Holford, C.I.E., C.V.O., Westonbirt (gr. Mr. Alexander): three new hybrids.

R. G. Thwaites, Esq., Streatham (gr. Mr. Black): varieties of *Cattleya* × 'Adula' (*bicolor* × *Hardyana*).

Messrs. Wm. Bull, Chelsea: varieties of *Cattleya* × 'Iris,' &c.

ORCHID COMMITTEE, SEPTEMBER 29, 1908.

Mr. J. GURNEY FOWLER in the Chair, and twenty-two members present.

Awards Recommended:—

Silver-gilt Flora Medal.

To H. S. Goodson, Esq., Fairlawn, West Hill, Putney (gr. Mr. G. E. Day), for a group.

Silver Flora Medal.

To Messrs. Charlesworth, Heaton, Bradford, for a group.

Silver Banksian Medal.

To Messrs. Sander, St. Albans, for a group.

To Messrs. Cypher, Cheltenham, for a group.

First-class Certificate.

To *Cattleya* × 'Venus' ('Iris' × *Dowiana aurea*) (votes, unanimous), from H. S. Goodson, Esq., Fairlawn, Putney (gr. Mr. G. E. Day). A very fine hybrid. Sepals and petals broad, golden-yellow tinged with reddish-bronze; lip deep ruby-red, with gold veining from the base to the centre. (Fig. 122.)

To *Odontioda* × *Charlesworthii*, Goodson's variety (*Odontoglossum Harryanum* × *Cochlioda Noezliana*) (votes, 18 for, 3 against), from H. S. Goodson, Esq. (gr. Mr. G. E. Day). Flowers larger than the original, reddish-scarlet with yellow markings on the crest. (Fig. 123.)

To *Cypripedium* × 'Actaeus Bianca' (*Leeanum* 'Prospero' × *insigne Sanderae* (votes, unanimous), from Lieut.-Colonel G. L. Holford, C.I.E., C.V.O., Westonbirt (gr. Mr. H. G. Alexander). A great improvement on the favourite *C. insigne Sanderae*), which it resembles, but the flowers are larger. Dorsal sepal pure white with a well-defined yellowish-green base; the rest of the flower is pale yellow. (Fig. 124.)

To *Cattleya* × 'Rutilant' (*Maronii* × *Fabia Vigeriana*) (votes, unanimous), from M. Chas. Maron, Brunoy, France. Flowers as large as those of *Cattleya labiata* and almost entirely of a glowing reddish crimson colour. (Fig. 125.)

To Messrs. Cypher, Cheltenham, for a group.
To Messrs. Hugh Low, Enfield, for a group.

Fig. 121.—Cattleya Harrisoniana alba, Stanley's variety. (*The Garden.*)

First-class Certificate.

To *Cattleya Harrisoniana alba*, Stanley's variety (votes, unanimous), from Messrs. Stanley, Southgate. Flower pure white with yellow zone on the lip, and larger than the original form. (Fig. 121.)

Fig. 122.—Cattleya × 'Venus.' (*Gardeners' Chronicle.*)

(*To face page* clviii.)

Cirrhopetalum Andersonii, from Sir Trevor Lawrence, Bart. A dwarf species with umbels of whitish flowers spotted with lilac.

Other Exhibits.

Messrs. Moore, Rawdon : a group.

Monsieur Chas. Maron, Brunoy, France : hybrid Orchids.

H. T. Pitt, Esq. : *Odontoglossum grande Pittianum.*

F. J. Hanbury, Esq. : *Cypripedium Fairrieanum*, Brockhurst variety.

ORCHID COMMITTEE, OCTOBER 13, 1908.

Mr. J. GURNEY FOWLER in the Chair, and twenty members present.

Awards Recommended :—

Silver Flora Medal.

To H. S. Goodson, Esq., Fairlawn, Putney (gr. Mr. Day), for a group.

To Henry Little, Esq., Baronshalt, Twickenham (gr. Mr. Howard), for a group representing *Cattleya Bowringiana* and its hybrids.

To Messrs. Sander, St. Albans, for a group of *Vanda coerulea*, &c.

To Messrs. Charlesworth, Hayward's Heath, for a group.

To Messrs Cypher, Cheltenham, for a well-arranged group of Cypripediums, Dendrobiums, &c.

To Miss M. Walters Anson, Streatham, for a collection of paintings.

Silver Banksian Medal.

To Messrs. Moore, Rawdon, for Cattleyas, &c.

To Messrs. Stanley, Southgate, for *Cattleya labiata*, &c.

To Messrs. McBean, Cooksbridge, for Odontoglossums.

To Monsieur Mertens, Ghent, for hybrid Odontoglossums.

To Messrs. Hugh Low, Enfield, for a group.

First-class Certificate.

To *Laelio-Cattleya* × 'St. Gothard' (*L.-C.* × *Gottoiana* × *C. Hardyana*) (votes, unanimous), from H. S. Goodson, Esq., Fairlawn, Putney (gr. Mr. Day). A grand flower of fine shape ; sepals and petals purplish-rose ; lip deep ruby-crimson.

Cypripedium Charlesworthii Bromilowianum (votes, unanimous), from H. J. Bromilow, Esq., Rainhill, Lancs (gr. Mr. Morgan). A true albino, the dorsal sepal being pure white, the rest of the flower pale green without the purplish colour of the type. (Fig. 126.)

Award of Merit.

To *Laelio-Cattleya* × 'Cornelia,' Westonbirt variety (*L. pumila* × *C. labiata*) (votes, unanimous), from Lieut.-Col. G. L. Holford, C.I.E., C.V.O., Westonbirt (gr. Mr. H. G. Alexander). Flowers equal to those of *C. labiata*, rose with ruby-crimson lip.

Botanical Certificate.

To *Cymbidium Dayanum*, from Messrs. Sander. Foliage slender ; flowers in drooping racemes, white with crimson lines on the petals, and crimson sides to the lip. Syns. *C. Simonsianum* and *C. pulcherrimum.*

To *Acineta densa*, from H. T. Pitt, Esq., Rosslyn, Stamford Hill (gr. Mr. Thurgood). An old species with a pendulous raceme of large wax-like yellowish flowers faintly spotted with rose.

Fig. 125.—Cattleya × 'Rutilant.' (*Journal of Horticulture.*) (P. cclviii.)

To *Habenaria geniculata*, from Sir Trevor Lawrence, Bart, K.C.V.O. (gr. Mr. W. H. White). A slender species from Darjeeling with white flowers bearing green spurs two inches in length.

Cynorchis purpurascens, from Sir Trevor Lawrence, Bart. A terrestrial Orchid with shining green leaves and rose-purple flowers, each an inch in diameter. Native of Madagascar.

Fig. 119.—Cattleya Mendelii 'His Majesty the King.'
(F.C.C. May 26, 1908. See page cliv.)

(*To face page cclv.*)

Lieut.-Colonel G. L. Holford, C.I.E., C.V.O.: *Laelio-Cattleya* × 'Golden Beauty,' and *Brasso-Cattleya* × 'Mrs. J. Leemann,' Westonbirt variety.

Francis Wellesley, Esq., Westfield, Woking: *Cattleya labiata*, 'Her Majesty the Queen,' a large pure white flower with a faint tinge of pink on the lip; and *C. Gaskelliana* 'Delight,' fine in shape, white with a small rose spot on the lip.

J. Forster Alcock, Esq.: three hybrid Cypripediums.

G. P. Walker, Esq.: *Laelio-Cattleya* × 'Hetherwood.'

H. H. Armitage, Esq., Sheffield: *Cattleya Dowiana aurea* × *C.* 'Viictoria Regina.'

W. P. Horton, Esq., Seaford: hybrid Cypripediums.

ORCHID COMMITTEE, NOVEMBER 24, 1908.

Mr. J. GURNEY FOWLER in the Chair, and twenty-two members present.

Awards Recommended:—

Silver Flora Medal.

To Messrs. Sander, St. Albans, for hybrid Cypripediums, &c.

To Messrs. Charlesworth, Hayward's Heath, for Laelio-Cattleyas, &c.

Silver Banksian Medal.

To Messrs. Hugh Low, Enfield, for a group.

To Messrs. Cypher, Cheltenham, for Cypripediums.

To Messrs. Heath, Cheltenham, for a group.

First-class Certificate.

To *Cypripedium* × 'Dreadnought' ('Troilus' × *insigne* 'Harefield Hall') (votes, unanimous), from Messrs. Sander, St. Albans. A noble flower, and a great improvement on *C.* × 'Aeson' *giganteum*, which is its nearest ally. Dorsal sepal over three inches wide, gamboge-yellow, spotted with light purple on the lower half, white above; petals and lip pale yellow, tinged and veined with light purple. (Fig. 129.)

To *Vanda coerulea*, var. 'R. Chollet' (votes, unanimous), from Messrs. Sander, St. Albans. A fine round flower, tinged and veined with violet.

Award of Merit.

To *Cypripedium* × 'Arethusa' ('Milo' × *nitens Sallierii aureum*) (votes, unanimous), from Lieut.-Colonel G. L. Holford, C.I.E., C.V.O., Westonbirt (gr. Mr. H. G. Alexander). A handsome yellow flower, with the upper half of the dorsal sepal pure white, the base being greenish-yellow with rose spots. (Fig. 130.)

To *Odontoglossum* × *Groganiae* (*Edwardii* × *Uro-Skinneri*) (votes, unanimous), from J. Hubert Grogan, Esq., Slaney Park, Baltinglass, Co. Wicklow, Ireland. Flowers on stout branched spikes, purple with rosy-mauve lip having a yellow crest.

To *Maxillaria phoenicanthera*, from Sir Trevor Lawrence, Bart. Allied to *M. punctata*. Flowers numerous, white sparsely spotted with purple.

Fig. 128.—Sophro-Cattleya × 'Doris.' (*The Garden.*)

Other Exhibits.

Sir Trevor Lawrence, Bart.: three distinct forms of *Laelio-Cattleya* × *Adolph-Harrisoniana*.

H. S. Goodson, Esq.: a fine specimen of *Cattleya labiata Amesiana*.

FIG. 32.—CATT-LAELIA VEITCHII. (*Journal of Horticulture.*)

(*To face page* xxxvii.)

Fig. 164.—Laeliocattleya × Firminii. (p. cclxxvi.)

(*To face page* cclxxvi.)

ORCHID COMMITTEE, SEPTEMBER, 28, 1909.

Mr. J. GURNEY FOWLER in the Chair, and eighteen members present.

Awards Recommended :—

Silver-gilt Flora Medal.

To Messrs. Charlesworth, Haywards Heath, for a group.

Silver Flora Medal.

To Messrs. Sander, St. Albans, for a group.
To Messrs. Mansell and Hatcher, Rawdon, for a group.
To Messrs. Stuart Low, Bush Hill Park, for a group.

First-class Certificate.

To *Laeliocattleya* × 'Pizarro,' Holford's variety (*L. Jongheana* × *C. Dowiana aurea*) (votes, unanimous), from Lieut.-Col. G. L. Holford, C.I.E., C.V.O., (gr. Mr. H. G. Alexander). Flowers large; sepals and petals bright purplish-rose; lip deep copper-red obscurely veined with gold.

Award of Merit.

To *Cattleya* × 'Rhoda' *conspicua* (× *Iris* × *Hardyana*) (votes, unanimous), from Messrs. Stuart Low, Bush Hill Park. Resembling a white *C.* × *Hardyana*. Sepals and petals cream-white, lip violet-crimson with yellow lines at the base.

To *Cattleya* × 'Mrs. Pitt' *superba* (*Harrisoniana* × *Dowiana aurea*). Differing from the original form in being of a deeper rose-pink and having a prismatic arrangement of purple lines in the tube of the lip.

Botanical Certificate.

To *Disa polygonoides*, from Messrs. Jas. Veitch. A remarkable species from S.E. Cape Colony. Leaves broad and thick. Inflorescence 2 feet, erect; bearing on the upper half a densely set spike of curious yellow flowers.

Other Exhibits.

Lieut.-Col. G. L. Holford, C.I.E., C.V.O.: *Cypripedium* × 'Actaeus Bianca,' and *Laeliocattleya* × 'Golden Fleece.'

Sir Jeremiah Colman, Bart., V.M.H.: group of rare orchids.

J. Gurney Fowler, Esq.: rare Cypripediums.

de B. Crawshay, Esq.: *Odontoglossum* × *Macnabianum rosefieldiense.*

H. S. Goodson, Esq.: *Cypripedium* × *Chapmanii.*

E. Rogerson, Esq., Manchester: *Odontoglossum crispum* 'Ethel.'

H. T. Pitt, Esq.: *Odontoglossum* × *stamfordianum* (*bictoniense album* × *Uro-Skinneri*).

Messrs. Stanley: hybrid Cattleyas.

ORCHID COMMITTEE, OCTOBER 12, 1909.

Mr. J. Gurney Fowler in the Chair, and twenty-three members present.

Awards Recommended:—

Silver Flora Medal.

To H. S. Goodson, Esq., Fairlawn, Putney (gr. Mr. G. E. Day), for Cattleyas, Odontoglossums, &c.

FIG. 157.—CATTLEYA × HARDYANA 'THE BARON.' (*Journal of Horticulture.*)
(p. cclxvii.

Cattleya elongata

Hamiltoniana

Regel. Gartenflora. 1856.
V. Tab. 158.

Cattleya Hugoniana. Aus Kreuzung [illegible]

Cattleya Brymeriana Rchb. f.

(Rchb. f. in Gard. Chron. 1883 I. 492.)

(Hierzu Tafel 1505.)

Die Vorlage zu unserer Tafel ist ein Aquarell nach einer wesentlich kleineren Photographie, welche eine Cattleya-Hybride darstellt. Gezüchtet und zum Blühen gebracht ist sie von Herrn Oberst Lima Racung in situ photographiert von dem deutschen Photographen in Manaos, Brasilien, Herrn Georg Hübner. Ich erhielt beides, die Photographie wie das Aquarell, von einem Herrn Alfred Wauer aus Eilau in Sachsen, als dieser Herr über Berlin nach Brasilien zurückkehrte und sich mit mir über die orchideographischen Verhältnisse von Nord-Brasilien und Guyana unterhielt.

Die Pflanze selbst ist sicher Cattl. Brymeriana Rchb. f. Es ist wohl auf die im kleineren Massstab ausgeführte Photographie zurückzuführen, resp. auf die sklavische Wiedergabe beim Herstellen der farbigen Zeichnung, dass von der in der Natur vorkommenden allerdings sehr schwachen Kräuselung der Petalen nichts auf die farbige Zeichnung übergegangen ist. Im übrigen, der Grösse und Farbe der Blüten, dem offenen Bau derselben, gleicht sie durchaus der typischen Cattl. Brymeriana, wie sie u. a. im Dictionnaire Iconogr. des Orchidées abgebildet ist.

Reichenbach erklärte die Pflanze für eine natürliche Hybride zwischen Cattl. superba und Cattl. Eldorado, beides Arten, welche in derselben Gegend wachsen, aus denen Cattl. Brymeriana importiert ist. Die Annahme war nicht grundlos, aber bisher war der Beweis in Europa nicht erbracht worden. Dass bei der langen Zeitdauer, welche gerade bei Cattleya zwischen Aussaat und Blüte des Sämlings liegt, sich jeder Gärtner davor scheut, ein Experiment zu machen, bei welchem der etwaige Gewinn fraglich ist, lässt sich begreifen. Ueber die Frage, ob die Annahme Reichenbachs zutreffend sei oder nicht, äusserte sich noch Prof. Cogniaux im Diction. Iconogr. d. Orch. (Oktober 1896) mit „non liquet“. Angesichts dieser aus der direkten Kreuzung hervorgegangenen Pflanze ist die Frage als im bejahenden Sinne gelöst anzusehen.

Dr. F. Kränzlin-Berlin.

Carl Spindler †.

(Hierzu eine Abbildung, Porträt.)

Am 18. Oktober ist ein Mann aus dem Leben geschieden, dessen Heimgang nicht nur von der Industrie, sondern auch vom Gartenbau auf das tiefste beklagt wird: der Geh. Kommerzienrat Carl Spindler zu Spindlersfeld bei Berlin, der Chef der weltberühmten Firma W. Spindler. Die Geschichte dieser Firma zeigt uns so recht einmal wieder, was durch unermüdliche Thatkraft, durch weise Umsicht, durch peinlichste Sorgfalt erreicht werden kann. Wilhelm Spindler, der Vater unseres Carl Spindler, errichtete am 1. Oktober 1832 in der Burgstrasse zu Berlin in ganz bescheidenem Umfange eine Seidenfärberei. Als Arbeitsraum diente die Waschküche, als Spülraum eine Bank an der Spree. Gar bald aber vergrösserte sich das Geschäft, es wurde nach der Wallstrasse verlegt und nahm nun einen noch bedeutenderen Aufschwung. Nach dem im Jahre 1873 erfolgten Tode des Begründers ging das Geschäft auf seine beiden Söhne, William und Carl über, welche, getreu den Grundsätzen ihres Vaters, nicht nur dasselbe auf der alten Höhe zu erhalten wussten, sondern es immer noch weiter ausdehnten, wobei sie sorgfältig alle neueren Erfahrungen der Wissenschaft und Praxis benutzten. Schliesslich war auch in der Wallstrasse kein Raum mehr und man errichtete jenes gewaltige Etablissement in der Nähe von Köpenick, welches gewissermassen eine Stadt für sich darstellt und zu Ehren der Begründer den Namen „Spindlersfeld“ erhalten hat. Die Firma zählt jetzt 2300 Arbeiter und Angestellte, 400 Beamte und über 1000 Agenturen und Läden in fast allen grösseren Städten des In- und Auslandes.

Nach dem Ausscheiden seines Bruders William wurde Carl*) alleiniger Inhaber. Er hatte in seiner Jugend sich viel mit Chemie beschäftigt, hatte England und Frankreich besucht und sich gründlich auf seinen Beruf vorbereitet. Dabei besass er ein seltenes Organisationstalent und erfasste alles im grossen Stile. Er begründete die zahlreichen Wohlfahrtseinrichtungen, durch welche die Firma Spindler nicht weniger berühmt wurde als durch ihre Leistungen und wandte a. a. dem Fonds der Invaliditäts- und Unfallversicherung seiner Fabrik allein aus Privatmitteln eine Million Mark zu. Ebenso wie er für seine Arbeiter und Angestellten sorgte, ebenso suchte er auch in weiteren Kreisen helfend und fördernd zu wirken, dabei alles im Stillen, ohne selbst hervorzutreten. Ein ganz besonderer Gönner war er aber für die Kunst, und zwar sowohl für die Malerei wie für die Gartenkunst, und die Stadt Berlin wählte ihn aus letzterem Grunde auch in ihre Park- und Garten-Deputation.

Schon sein Vater hatte sich in Gross Tabarz in Thüringen eine Villa mit schönem Garten errichtet, welche dereinst als Wittwensitz für seine Gattin dienen sollte, und in diesem Garten wirkt seit 25 Jahren Herr Obergärtner Julius Biemüller, welcher am 1. Oktober d. Js. sein silbernes Jubiläum feierte. Wir haben öfter Ansichten oder Einzelpflanzen aus der Villa Spindler in der Gartenflora dargestellt, namentlich

*) Geboren am 11. Dezember 1841 zu Berlin.

Cattleya Mendelii Backhouse, var. Lackneri Beyrodt

Cattleya Mendeli var. Lackneri Beyrodt.

(Hierzu Tafel 1522.)

Unter den verschiedensten Cattleyenarten gebührt der Cattleya Mendeli wohl mit einer der ersten Plätze in bezug auf Feinheit und Form der Blüte, abgesehen davon, dass es natürlich auch unter diesen schlechte und minderwertige Varietäten und Typen gibt. Aber gerade was Vollkommenheit und Eleganz der Form betrifft, gibt es kaum eine schönere, ansprechendere Cattleyenart.

Cattleya Mendeli var. Lackneri weist nun weniger eine vollendete Form, als vielmehr eine Abnormität in bezug auf die Färbung des Labellums auf. Die Pflanze stammt aus der Orchideengärtnerei von Otto Beyrodt, Marienfelde b. Berlin, und ist vom Besitzer dem Andenken des verstorbenen Gartenbaudirektors C. Lackner gewidmet worden.

Sepalen und Petalen sind reinweiss mit einem feinen Hauch von rosa überzogen.

Das Labellum ist höchst charakteristisch, indem das Purpur in 2 Zonen geteilt ist. Die äussere ist intensiv dunkelpurpur bis bordeauxrot mit weissen Tupfen, die innere dagegen mehr violett, stumpf in der Farbe und hell geadert. Der obere zurücktretende Teil ist weiss, der Schlund dunkelgelb auf hellgelb geadert. Der untere Teil des Labellums ist schön gekräuselt, wodurch die Blume noch an Feinheit gewinnt.

Sog. doppelte Kokosnuss in ornamentaler Fassung.

(Hierzu 1 Abbildung.)

Das Hauptstück des hier abgebildeten Schmuckgefässes ist eine sogenannte doppelte Kokosnuss. Sie ist 30 cm lang, 22 cm breit und 10 cm hoch. Ihr oberes Drittel, der Deckel des Gefässes, wurde durch einen Sägeschnitt parallel der Längsachse der Nuss von dem unteren grösseren Teile derselben abgetrennt. Die Schnittränder haben eine silberne Einfassung erhalten. Der grosse untere Gefässteil wird von zwei silbernen Bogen umfasst, die vorn (rechts) in der Furche der Nuss zusammentreffen und nach dem Schloss des Gefässes hinauf laufen. Links hinten ist jeder dieser Bogen spiralig um einen fingerdicken geraden astartig geformten Querstab herumgewunden, aus dessen Mitte ein gabeliger Zweig entspringt,

der an dem Deckel befestigt ist. Auf diesem Zweige sitzt ein Chamäleon, das durch Eingiessen von Bronze in die Hohlform eines Chamaeleo verrucosus aus Madagaskar hergestellt wurde. Es dient als Griff zum Emporheben des Deckels. Das Charnier für Bewegungen des Deckels bildet der zwischen den Spiralen endende Querstab.

Die Nuss ruhet auf drei silbernen Füssen. An jedem der zwei metallenen unteren Seitenbogen ist ein Hinterfuss befestigt, ein mittlerer Vorderfuss an einer Querspange zwischen den nebeneinander in der Furche der Nuss, nach dem Schlosse aufsteigenden beiden Bogen. Diese drei Füsse stehen auf einem rechteckigen Postamente aus schwarzpoliertem Holze.

Als ich meine Idee über eine derartige Aufstellung der zerlegten doppelten Kokosnuss Herrn Baurat Professor A. Tiede, dem Architekten des Museums für Naturkunde, der landwirtschaftlichen Hochschule und der Bergakademie vortrug, hatte dieser die Güte, das Gefäss nach einer von ihm entworfenen Zeichnung von geschickten Kunsthandwerkern 1895 in Berlin ausführen zu lassen.

Abb. 1. Sog. doppelte Kokosnuss (Lodoicea Sechellarum) in ornamentaler Fassung. Im Besitz des Geh. Regierungsrat Prof. Dr. Möbius, Direktor des Zoologischen Museums Berlin.

In dem 42. Jahrgange 1893 Seite 73 dieser Zeitschrift, der Gartenflora, beschreibt C. W. Zimmer eine im botanischen Garten zu Kew zur Keimung gebrachte doppelte Kokosnuss. Bei dieser Gelegenheit teilt er auch mit, dass Lodoicea Sechellarum nur auf den kleinen Inseln Pralin, Curieuse und Round Island wild wachse. Auf meiner Rückreise von Mauritius, das ich 1874 besuchte, um Bewohner der Korallenriffe zu beobachten und zu sammeln, war ich im Januar und Februar 1875 auf Mahé,

Bot. Mag. 3998.

8.

Cattleya labiata. Lindl.

Trop America.

Laelio Cattleya Wellsiana (Cattleya Trianae × Laelia purpurata.)

Chromolith. E. Laue, Berlin S.

Laelio-Cattleya Wellsiana.

(Cattleya Trianae × Laelio purpurata.)

(Hierzu Tafel 1578.)

Die Neuheit Laelio-Cattleya Wellsiana ist eine sehr schöne Hybride, die nicht nur als Topfpflanze von hervorragendem Wert ist, sondern auch für den Schnitt wertvoll erscheint. Es ist eine Züchtung zwischen den wohlbekannten Sorten Cattleya Trianae × Laelia purpurata.

Auf der nebenstehenden Abbildung erkennt man sofort, daß die beiden genannten Pflanzen die Eltern dieser Hybride sind. Die wunderschöne, sehr dunkel gefärbte Lippe zeigt genau den Typus von Laelia purpurata, die Sepalen und Petalen erinnern dagegen mehr an Cattleya Trianae. Die Farbe der ganzen Blume ist im allgemeinen dunkler als es bei Laelia purpurata oder Cattleya Trianae der Fall ist.

Auch in dem Habitus der Pflanze, den ziemlich langen Bulben, sieht man Laelio purpurata.

Die Kultur von Laelio-Cattleya Wellsiana ist genau so zu handhaben wie die der gewöhnlichen Cattleyen. Es ist vielleicht ganz gut, derselben noch etwas mehr Sonne zu gönnen, um dadurch eine größere Blühwilligkeit zu erzeugen.

Die Blütezeit der Laelio-Cattleya Wellsiana fällt in das Frühjahr und setzt in der Regel etwas später ein als bei Laelia purpurata.

Die Blumen finden sehr guten Absatz, und zwar werden sie wegen der feurigen dunklen Lippenfarbe gern gekauft. In großen Massen wird Laelio-Cattleya Wellsiana bis jetzt noch nicht kultiviert, da sie hierfür viel zu teuer ist. Unter diesen Verhältnissen kommt sie jetzt eigentlich nur als Liebhaberpflanze in Betracht.

Bericht über die Kulturversuche im Jahre 1908, die unter Leitung des Vereins z. B. d. G. auf den Rieselfeldern der Stadtgemeinde Berlin in Blankenburg ausgeführt wurden.

Von Joseph Klar, Berlin.

(Fortsetzung.)

Alternanthera „Juvel“ 4. Die Neuheit ist eine hervorragende Verbesserung dieser bekannten alten Teppichbeetpflanze. Die leuchtend goldbronzene Färbung der Blätter, die in karminrosa und dunkelrot übergeht, tönt außerdem noch ins Rotbraune aus. Während die jungen Pflanzen

in der ersten Zeit im Wachstum nicht recht vorwärts wollten, holten sie jedoch später das Versäumte wieder ein. Ich habe solch eine schöne Alternanthera noch nicht gesehen und wünsche dem Züchter einen klingenden Erfolg. In keinem Garten dürfte dieses „Juvel" fehlen, das seinem Namen volle Ehre macht.

Anchusa capensis alba ☉. Diese weißblühende Spielart des „Sommervergißmeinnichts" kann ihrer blauen Schwester wohl ebenbürtig zur Seite gestellt werden, ist aber leider noch zu wenig bekannt. Die Anchusen lassen sich durch Aussaat ins Freie sehr leicht heranziehen und eignen sich sowohl zur Gruppenbepflanzung als auch zur Binderei. Durch eine einmal etwas zu starke Berieselung geriet leider die sonst so unempfindliche Annuelle im Wachstum ins Stocken.

Salpiglossis variabilis grandiflora superbissima, lila mit gold ☉ ist eine neue Farben der Kaisersalpiglossen. Die selten schön geaderten Blumen rufen immer und immer wieder die Bewunderung der Beschauer hervor. Ich habe nur eins an dieser Pflanzenart auszusetzen und zwar, daß hin und wieder Pflanzen hiervon plötzlich eingehen und schwarz werden. Der Grund hierfür ist mir nie bekannt geworden. Man kann denselben Vorgang auch bei Balsaminen öfters beobachten. Wenn man hier den Stamm anschneidet, findet man dunkle und brandartige Stellen im Fleisch. — Die Kaisersalpiglosse ist in der Farbe leider noch nicht beständig, sonst aber sehr schön.

Rehmannia angulata tigrina 2ℓ ist eine Hybride der aus Zentralchina vor kurzem eingeführten Reh. angulata. Die purpurroten Blumen entwickeln sich sehr schnell über dem an der Erde rosettenartig gebildeten Laubwerk. Ich gebe indes der gewöhnlichen R. angulata den Vorzug, da diese heller in der Farbe ist. Sonst ist die Neuheit gut.

Rehmannia angulata Pink Perfection 2ℓ unterscheidet sich kaum von der vorstehenden, nur blüht sie etwas später. Das Vorhingesagte trifft auch hier zu.

Lathyrus odoratus praecox ☉. Diese wohlriechende Wicke wird nur etwa ein Meter hoch, hat aber etwas kleinere Blumen als die gewöhnlichen. Das Farbenspiel ist das gleiche, doch scheint es, als wenn die Blüten von praecox etwas zeitiger erschienen. Die dieser Sorte nachgerühmte Eigenschaft, sich für den Winter heranziehen zu lassen, konnte nicht festgestellt werden. Vielleicht würde einer der verehrten Leser nach dieser Richtung hin einen Versuch anstellen. Ich bin der Ansicht, daß sich dazu auch die großblumige L. Eckford eignen würde. Auch könnte mit der nichtrankenden L. Cupido ein Versuch angestellt werden, da diese in den Häusern nicht viel Platz einnehmen.

Winterlevkoje, frühblühende Riesen von Nizza hellviolett ☉. Dies ist eine Farbe, die bis jetzt in dem Sortiment dieser beliebten Levkojen fehlte. Der Wuchs ist gleich dem der andern. Die Neuheit liefert aus Samen bis zu $^2/_3$ gefüllt blühende, Eine einzige Pflanze davon füllt eine mittlere Blumenvase vollständig aus, und dürfte sie wegen ihrer beliebten Farbe besonders der Binderei willkommen sein.

Von Pentstemon hatte ich nachfolgende neueste gentianoides-Hybriden ausgepflanzt:

Cattleya superba. Schomb.
British Guiana.

Bot. Reg. 1865

Cattleya Forbesii. Lindl.

Brasilien

Bot. Reg. 32. t 35.

Cattleya Lemoniana
C. labiata var. Lemon.

Bot. Reg. 1859.

Cattleya labiata

Lindley, Collectan. bot. tab. 37.

Cattleya Loddigesii Lindl.

Williams Orchid Alb. I tab. 6.

Cattleya Mendelii var. Morganae

Cattleya Morganae. Williams

Cattleya virginalis Linden & André
Amazon. Gebiet.

Bot. Mag. t. 7287.

Cattleya iricolor Rolfe.
Gard. Chron. 1894. II p. 162.
Veitch Manual II p. 40.

Bot. Reg. 24. t. 2.

Cattleya Perrinii. Lindl.
Brasiliew.

Illustration Horticole XXI. 1874 t. 178.

Cattleya gigas. Linden & André
N. Granada.

12.

Bot. Mag 3742.

Cattleya citrina Lindl.
Caxaca.

Cattleya Karwinskii Martius.

Bulbi unciam & semiunciam longi, ovati, tunicati membranis binis vel ternis albis scariosis longitudinaliter nervosis, his detractis glauco virescentes, deorsum radices parcas fibrosas, sursum folia 2-3 emittentes. Folia digitalia vel longiora, unguiculata, linearia, ima basi vaginantia & dorso extus carinata, superne plana, lineari lanceolata, obtusiuscula, attamen acuta in apice margine tenui subcartilagineo albido, in mucronulum perbrevem porrecto, uti omnes partes herbaceae roro glauco detergibili adspersa. Pedunculus 3 vel 4 pollices longus sursum incrassatus. Alabastrum glauco flavescens, ultra pollicem longum, prismatico 3 gonum. Flos amplus, odorem Narcissi spargens, in pedunculo cernuus. Calycis folia aequalia, oblongo lanceolata, acutiuscula, coraceoflava, nitida, crassa, firmula, patentia, duo inferiora quam superius nonnihil angustiora, dorso extus laeviter carinata, nitida, sesquipollicaria, pollicis 2/3 lata. Petala 2 superiora calycis foliis valde similia at nonnihil breviora & tenuira non introssum concava sed tandem introrsum convexiuscula. Lab. & pet. superiora & calycem longitudine nonnihil superans, concavum & gynostemium amplectens, explanatum fere pandurae forme. Lateribus scilicet postice altius ascendentibus, ibi margine subintegerrimum, antice ubi contractum nonnihil crenulatum, in ipso apice carnoso-incrassato attenuatum & crispato convolutum, extus dorso linea concava exaratum,

compage molliore magisque petaloidea, quam reliqua perigonii foliola per medium longitudinem postice nervis 5 percursum, qui antice in 3 latiores confluunt ad apicem usque porrectos; venae praeterea & simplices & simpliciter ramosae inde e nervis mediis ad marginem usque excurrunt plurimae, in antica labelli parte crebriores & crassiores. Color labelli postice pallidius flavus in nervis venisque vero quam reliqua foliola obscurior & fere aurantiacus. Gynostemium dimidii labelli longitudine, 3-gonum, facie antica latiore in apice depressum in stigma subcirculare mucosum, ima basi exsculptum fere ad ovarium perducente. Clinandrium in vertice gynostemii impressum, limitatum: in parte antica denticulo parvo erecto (rostello) in latere bas utrisque dentibus carnosis, lineari lanceolatis erectis introrsum flavis & planis, in parte postica squamula tenue subcordata, citra quam angulus gynostemii posterior in lobulum ovatum, obtusum, elevatur. Anthera intra clinandrium sessilis fere obcordata, pallide cerina, carnosa, ratus bilocularis, locellis medio membrana perpendiculari in 2 concamerationes divisis. Pollinia 4. compressa, ovata, obtusa, perpendicularia intra locellorum septa posita e granulis aritissime coñatis facta, basi singula aucta caudiculo longo lineari e cellulis oblongis composito elastico, binaque horum ope basi connexa. Ovarium tubo calycis vestitum, inferne prismatico trigonum & in quavis facie lineis 2 exaratum, superne conicum, subteres.

Mexico. Oaxaca. In Felsenspalten & auf Baumen.
v. Karwinski.

Martius. Genernit. Cyt. Monat. t. 10.

Cattleya Karwinskii. Mart.
Mexico. Oaxaca.

Epidendrum intermedium. Ilf.
(Cattleya intermed. Graham)

St. Catharine Ill.

Flore des serres III. 199.

Cattleya granulosa. Lindl.

Guatemala. Pernambuco

20.

Bot. Reg. 1406

Cattleya guttata. Lindl.
Epidendrum elatius. Rbtz. f.
Guatemala.

412.1

84

Tetramicra

1382. Leptotes Lindl.

Lindley. Sertum orchid. Tab. 11.

Leptotes serrulata. Lindl.
Brasilien. Tcha grande.

85. Brassavola

45

Bot. Mag 3722.

Grassavola cuspidata Hoon
B. cucullata var. cuspid. R. Br.
Trinidad

Bot. Reg. XXV. t. 5.

46

Brassavola Martiana Lindl.

Banks of the Rio Negro

Bot. Mag 2878.

Brassavola tuberculata. Hoor.
Botofago Bay

Bot. Reg. 1914.

Die Analyse
Bot. Mag. 3782.

Brassavola ~~nodosa~~
cordata. Lindl.

Brasilien.

Bot. Mag. 3229

Brassavola nodosa. Lindl.

Rispe mit 9 Blüthen!

Bot. Reg 1465

Brassavola nodosa. Lindl.
West. Indies. Mexico.

Bot. Mag. 4021.

Brassavola venosa Lindl. Rchb. f.
Honduras
Bletia venosa. Lindl

Brassavola nodosa. Lindl.

Honduras.

86. Laelia.

7511

M.S. del. C.N. Fitch Lith.

Vincent Brooks Day & Son Imp.

L. Reeve & Co. London.

Laelia longipes. Rchb. f.

I. Laelia superbiens Lindl. Guatemala (Bot. Mag. 4090)
II L. anceps var. Barkeriana. Mexico. (Bot. Reg. 1947)

Bot. Mag. 3804.

Laelia anceps. Lindl.
Mexico.

11.

Bletia pumila R. Bf.

(Cattleya pumila. Hooker.)
Essequiba

Curtis. Bot. Mag. 4833

12

Brassavola glauca. Lindl.
Mexico. Guatemala.

Brassavola? Digbyana. Lindl.

Honduras.

15.

Bot. Reg 1172.

Bletia crispa. Bot. Reg.
(Cattleya crispa. Lindl.)
Rio de Janeiro.

Laelia Schilleriana. Rchb. f.
Brasilien
Botl. Garten 16 Mai 1880.

Curtis. Bot. Mag. 1844. 4099.

Laelia pedunculata. Lindl. Bot. Reg.

Guatemala.

Laelia rubescens. Lindl. Mexico ?

Bot. Reg. 31 t. 69.

Laelia peduncularis. Lindl.

Mexico.

Flore des serres. I. 9.

Laelia acuminata. Lindl.
Guatemala.

Bot. Reg. t. 25. c. 27.

Laelia autumnalis. Lindl.

Mexico.

Laelia purpuracea. Lindl.
Oaxaca.

Bot. Reg. 1851. 62.

Laelia flava. Lindl.
= L. caulescens. Lindl.
Mexico.

Bot. Mag. 3957

Laelia albida. Lindl.
Oaxaca

Bot. Reg. t. 54.

87. Schomburgkia.

Schomburgkia exaltata Kränzl.

Schomburgkia exaltata Kränzl.

Schomburgkia exaltata Kränzl.

5.

Lindley rerum. t. 13.

Schomburgkia marginata. Lindl
Guiana.

Bot. Reg. XXX. 23.

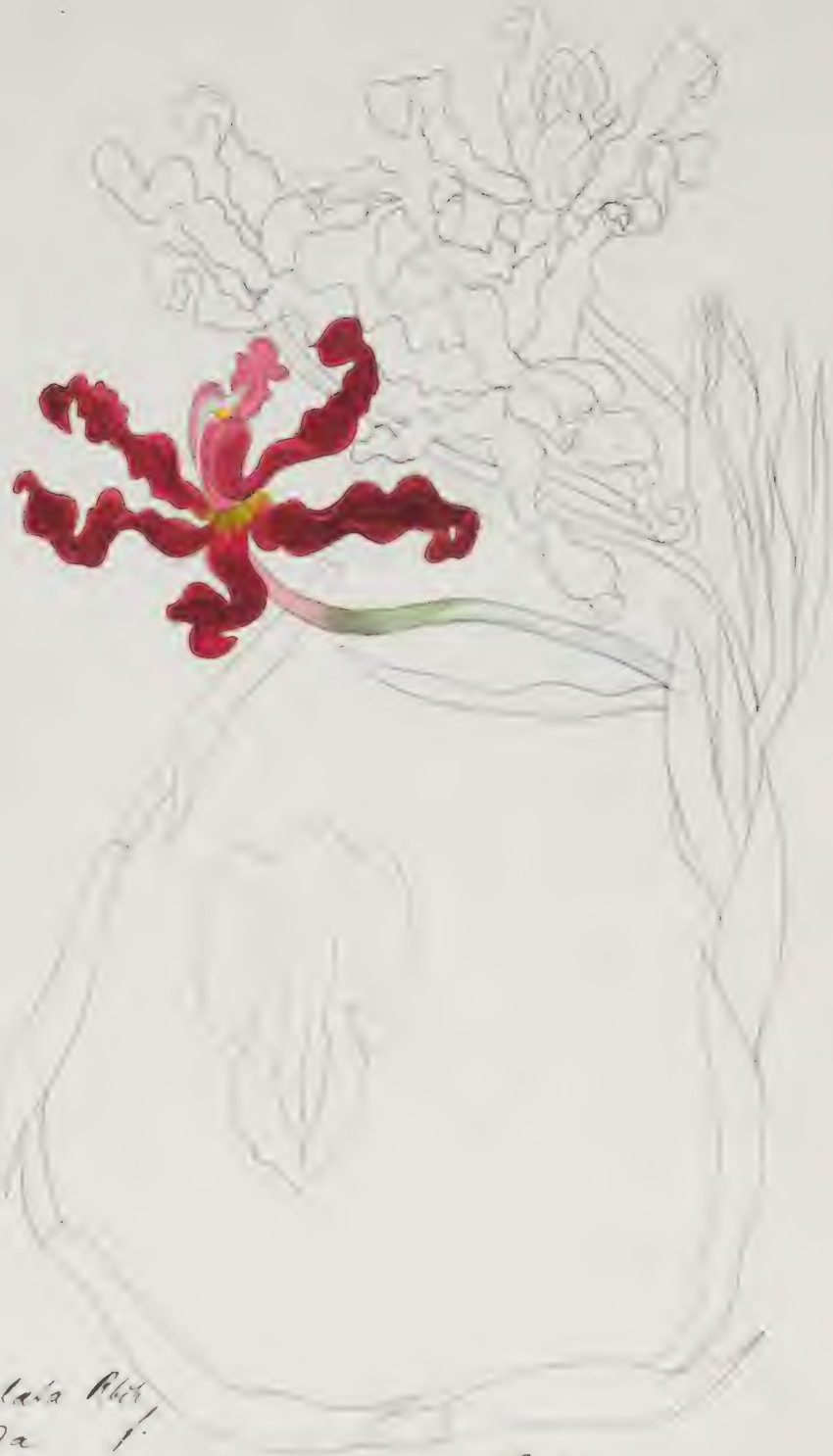
1.2.3. Bletia gloriosa Rich. f. = Schomburgkia crispa Lodd. t.
A.B.C. Bletia crispina. Rich. f = Schomburgkia crispa Lodd. Sedum orchid. t. 10.

British Guiana

Stanhopea Thomsoniana Rchb. f.

9

Bot. Reg. 31. t. 53.



Bletia undulata Rbch.
N. Granada f.
(Schomburgkia undulata. Ldl)

88

1397. Sophronitis. Lindl.

SOPHRONITIS GRANDIFLORA ROSEA.

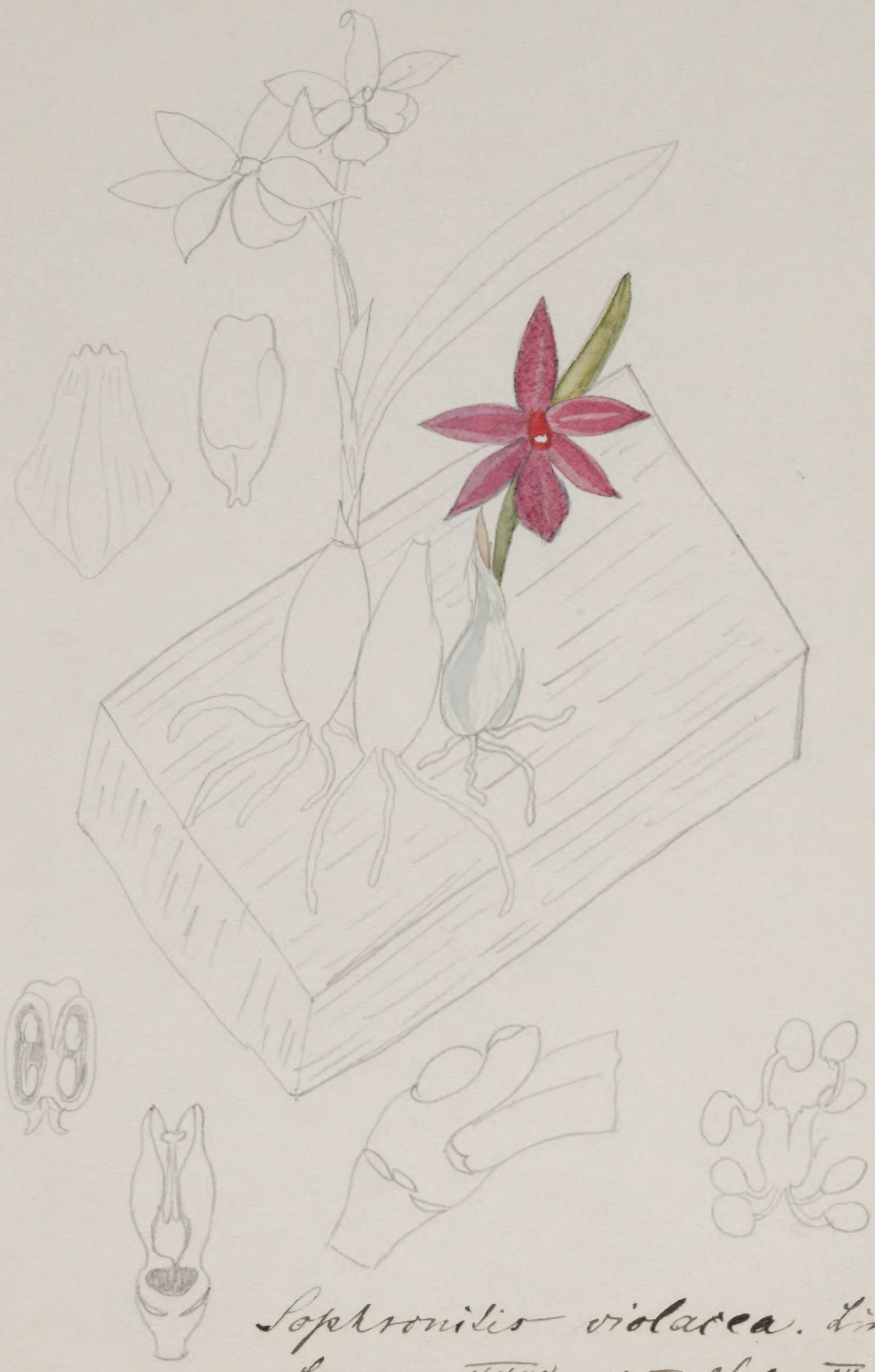
Sophronitis grandiflora. Lindl.

Montagnes des Orgues.

Bot. Mag. 3677.

Sophronitis cernua. Lindl
Brasilien.

Bot. Mag. 6880.



Sophronitis violacea. Lindl.
Linnaea. XXXV. 245. Walp. VI. 466.